

EXHIBIT 9

EXHIBIT 9

Applications of U.S. Patent No. 9,722,858 to V-Migrate and V-Maestro (collectively, “Accused Products”)

Plaintiff VirtaMove Corp. (“VirtaMove”) infringes claims 1–19 of the ’858 Patent (the “Asserted Claims”) under 35 U.S.C. § 271(a), (b), and (c). As set forth below, VirtaMove’s infringement is both direct and indirect.¹

VirtaMove has directly infringed the ’858 Patent at least by making, using, offering to sell, selling, and/or importing into the United States its V-Migrate and V-Maestro (collectively, “Accused Products”) on or after the issuance date of the Patent.

VirtaMove induces infringement under 35 U.S.C. § 271(b) by providing the Accused Products, which are sold and specifically configured to infringe the Asserted Claims, to VirtaMove customers and partners in the United States. VirtaMove actively instructs and encourages its customers and partners on how to use the Accused Products, including through product manuals, advertising, and instructional videos. When used as instructed, VirtaMove’s customers and partners use these products to practice the systems of the ’858 Patent and directly infringe the Asserted Claims. On information and belief, VirtaMove specifically intends that its actions will result in infringement of the asserted claims of the ’858 Patent or subjectively believes that its actions will result in infringement of the Asserted Claims, but took deliberate actions to avoid learning of the facts.


As shown below, VirtaMove also contributes to infringement under 35 U.S.C. § 271(c) by providing the Accused Products, which embodies a material part of the claimed invention of the ’858 Patent, is known by VirtaMove to be specially made or adapted for use in an infringing manner, and is not with substantial non-infringing uses.


The Accused Products are specially designed to infringe the ’858 Patent and the accused components have no substantial non-infringing uses.


Claim	US 9,722,858 Claim Term	Analysis
1pre	A non-transitory computer readable medium comprising computer executable instructions which when executed by a	To the extent that the preamble is limiting, the Accused Products comprise “[a] non-transitory computer readable medium comprising computer executable instructions which when executed by a computer cause the computer to perform the method of [...]”


¹ Public information is limited regarding the Accused Products, and accordingly, IBM reserves the right to amend its infringement contentions based on productions and source code made available during discovery.


Claim	US 9,722,858 Claim Term	Analysis
	computer cause the computer to perform the method of:	<h3 data-bbox="709 219 1390 267">VirtaMove Application Migration</h3> <p data-bbox="709 297 1934 516"><u>VirtaMove Application Migration is an intelligent discovery tool that migrates an application and its dependencies from a tethered source machine to a destination machine. VirtaMove software is installed on the destination machine.</u> VirtaMove is not required on the source machine, but <u>installing VirtaMove Source Agent on the source machine is recommended.</u> For more information about VirtaMove application migration, see the Application Migration Guide.</p> <p data-bbox="688 558 1982 630"><u>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310411393/VirtaMove+Components+and+Features)</u></p> <p data-bbox="688 662 1944 734">The Accused Products are installed onto a computer, causing the computer to execute instructions, which include, but is not limited to, discovering sources and applications.</p>


Claim	US 9,722,858 Claim Term	Analysis
		<h2 data-bbox="737 233 1440 293">Installing VirtaMove Software</h2> <div data-bbox="737 350 1272 418"> Owned by Thomas Farley (Deactivated) *** Last updated: Mar 25, 2022 • 6 min read</div> <h3 data-bbox="737 472 995 505">Table of Contents</h3> <ul data-bbox="737 548 1793 1284" style="list-style-type: none"><li data-bbox="737 548 1052 581">• Installation Log File<li data-bbox="737 602 1062 634">• Installation Location<li data-bbox="737 656 1793 740">• Installing VirtaMove<ul data-bbox="789 708 1793 740" style="list-style-type: none"><li data-bbox="789 708 1793 740">◦ Installing VirtaMove on a Windows Server 2012 Destination Machine<li data-bbox="737 761 1398 842">• Installing VirtaMove Using the Silent Option<ul data-bbox="789 810 1257 842" style="list-style-type: none"><li data-bbox="789 810 1257 842">◦ To Perform a Silent Installation<li data-bbox="737 863 1551 1227">• Installing VirtaMove Source Agent and Source Monitor<ul data-bbox="789 912 1629 1227" style="list-style-type: none"><li data-bbox="789 912 1310 945">◦ Installing VirtaMove Source Agent<li data-bbox="789 966 999 998">◦ Security Key<li data-bbox="789 1019 1031 1052">◦ Pre-Requisites<li data-bbox="789 1073 947 1105">◦ MSI Log<li data-bbox="789 1127 1629 1159">◦ Install VirtaMove Source Agent Using the Command Line<li data-bbox="789 1180 1524 1213">◦ Install VirtaMove Source Agent Using the Installer<li data-bbox="737 1248 1289 1281">• Installing VirtaMove Source Monitor <p data-bbox="690 1349 1982 1422">https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310476970/Installing+VirtaMove+Software</p>

Claim	US 9,722,858 Claim Term	Analysis
		<h2 data-bbox="709 233 1222 289">About Source Agents</h2> <div data-bbox="709 347 1249 415"> Owned by Thomas Farley (Deactivated) *** Last updated: Mar 30, 2022 • 1 min read</div> <p data-bbox="709 467 1940 669"><u>In order for V-Maestro to discover and monitor applications that are running on the servers in your local network, a VirtaMove Source Agent must be installed on each of the source servers that you are interested in. For more information, see Installing Source Agents Manually.</u></p> <p data-bbox="709 711 1541 743">You can use the following methods to install Source Agents:</p> <ul data-bbox="720 786 1932 932" style="list-style-type: none">• Manually – Installs Source Agents on one server at a time.• Remotely – Uses the V-Maestro interface to install Source Agents on all machines at once. <p data-bbox="709 1058 1944 1205">V-Maestro discovers all servers running on your local network that have a Source Agent installed. If you add a server machine that is running VirtaMove Source Agent, V-Maestro automatically establishes a connection to the source.</p> <p data-bbox="709 1247 793 1279">Note:</p> <p data-bbox="709 1302 1902 1334">In order for V-Maestro to discover and monitor sources, the security keys must match.</p>

Claim	US 9,722,858 Claim Term	Analysis
		(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314704014/About+Source+Agents)
1a	discovering, in a source computing system having a source management infrastructure, at least one source infrastructure management component, wherein said at least one source infrastructure management component is an instance of an image, and wherein said at least one source infrastructure management component is running in a customer environment;	<p>The Accused Products perform “discovering, in a source computing system having a source management infrastructure, at least one source infrastructure management component, wherein said at least one source infrastructure management component is an instance of an image, and wherein said at least one source infrastructure management component is running in a customer environment.”</p> <p>For example, the Accused Products discover “source infrastructure management components” such as clients, servers, applications, configurations, processes and log files.</p> <h3>About VirtaMove Source Monitor</h3> <p> Owned by Thomas Farley (Deactivated) *** Last updated: Mar 28, 2022 • 1 min read</p> <p>VirtaMove Source Monitor allows you to monitor how an application is running on a source machine over a period of time, usually several weeks. Monitoring provides you with a list of data, such as files and keys, so you can automatically capture and migrate this data to a destination machine, without having to manually exercise the application on the destination machine post migration.</p> <p>Source Monitor is a part of VirtaMove Source Agent and is installed when you install VirtaMove Source Agent on the source machine.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/311230801/About+VirtaMove+Source+Monitor)</p>

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		<h2 data-bbox="709 228 1163 277">About Source Agents</h2> <div data-bbox="709 326 1188 386">  Owned by Thomas Farley (Deactivated) ... Last updated: Mar 30, 2022 • 1 min read </div> <p data-bbox="709 435 1955 565">In order for V-Maestro to discover and monitor applications that are running on the servers in your local network, a VirtaMove Source Agent must be installed on each of the source servers that you are interested in. For more information, see Installing Source Agents Manually.</p> <p data-bbox="709 602 1446 634">You can use the following methods to install Source Agents:</p> <ul data-bbox="716 667 1864 756" style="list-style-type: none"> • Manually – Installs Source Agents on one server at a time. • Remotely – Uses the V-Maestro interface to install Source Agents on all machines at once. <p data-bbox="709 862 1927 987">V-Maestro discovers all servers running on your local network that have a Source Agent installed. If you add a server machine that is running VirtaMove Source Agent, V-Maestro automatically establishes a connection to the source.</p> <p data-bbox="709 1029 785 1057">Note:</p> <p data-bbox="709 1078 1766 1110">In order for V-Maestro to discover and monitor sources, the security keys must match.</p> <p data-bbox="688 1175 1885 1208">https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314704014/About+Source+Agents</p>

Claim	US 9,722,858 Claim Term	Analysis
		<h2 data-bbox="722 212 1323 261">About Monitoring Applications</h2> <div data-bbox="722 305 1157 358"> Owned by Thomas Farley (Deactivated) *** Mar 29, 2022 • 1 min read</div> <p data-bbox="722 407 1696 651">Monitoring discovered sources and the applications they are running lets you collect data about how and when these applications are used, in real time. It also discovers application components and dependencies that you might not be aware of, and how application components might be distributed across a network. Monitoring reduces the amount of time required to exercise the application on the destination, which therefore minimizes the duration of the maintenance window.</p> <p data-bbox="722 691 1696 854">After monitoring selected applications for a few days, you can decide how best to move them to selected destinations, or whether to even move them at all if they don't appear to be a priority for migration based on usage data. For example, applications with a monitoring status of No Usage may not be usefully moved.</p> <p data-bbox="688 951 1976 1024"><u>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314802606/About+Monitoring+Applications)</u></p>

Claim	US 9,722,858 Claim Term	Analysis
		<h2 data-bbox="716 219 1598 264">Starting and Stopping Monitoring on Applications</h2> <div data-bbox="716 305 1110 354">  Owned by Thomas Farley (Deactivated) *** Last updated: Mar 29, 2022 • 2 min read </div> <p data-bbox="716 394 1503 459">You can monitor selected sources and applications for a few days or weeks to understand application dependencies and use patterns.</p> <h3 data-bbox="716 540 1331 586">To Start Monitoring an Application</h3> <ol data-bbox="716 602 1602 971" style="list-style-type: none"> 1. Click Manage>Sources. The Source Inventory windows displays. 2. Select an active source. The Source Details window displays. 3. Click the Applications icon in the Source Details window. The Applications view of the Source Details window displays a list of discovered applications for the selected source. 4. Click the more actions icon for an application and select Monitor, or select an application in the list and click the Monitor icon on the top right. A Monitored Application icon now displays in the Source details window. The Status column in the Applications view now displays Monitoring for the selected application. <p data-bbox="688 1016 1982 1084"><u>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/313819154/Starting+and+Stopping+Container+Services)</u></p> <div data-bbox="688 1117 1789 1395"> <h3 data-bbox="705 1122 1255 1157">APPLICATION RESOURCES</h3> <p data-bbox="705 1195 1755 1360">Determine the storage, memory, and CPU each application is using on a specific server. Better plan requirements and capacity for destination servers, to avoid under or overprovisioning.</p> </div>

Claim	US 9,722,858 Claim Term	Analysis
		<p data-bbox="688 215 1136 245">(https://virtamove.com/v-maestro/)</p> <div data-bbox="688 274 1661 987"><div data-bbox="699 326 1142 963"><p data-bbox="747 428 951 488">APPLICATION DISCOVERY ›</p><p data-bbox="747 516 1087 857">VirtaMove's intelligent application monitoring and discovery removes assumptions and guesswork from application modernization plans and strategy.</p></div><div data-bbox="1184 326 1627 963"><p data-bbox="1232 428 1409 488">MIGRATION STRATEGY ›</p><p data-bbox="1232 516 1562 906">Sophisticated reports and real-time data provide a clear picture of migration candidates and priorities, server profiles, migration complexity scores, and total estimated annual costs for cloud migrations.</p></div></div> <p data-bbox="688 1027 1125 1057">(https://virtamove.com/solutions/)</p>

Claim	US 9,722,858 Claim Term	Analysis
		<div data-bbox="693 224 1371 1052"><p>Relearn Your Applications</p><p>A great migration plan starts with understanding your applications and partnering with a migration expert.</p><p>We'll help you select the right applications and remove guesswork from capacity planning so you don't over or under provision destination servers.</p><p>Leverage VirtaMove's expertise and migration assessment to achieve effective and optimized migrations that will yield high returns on your modernization investments.</p></div> <p data-bbox="693 1084 1371 1122">(https://virtamove.com/solutions/migration-strategy/)</p>

Claim	US 9,722,858 Claim Term	Analysis
		<p data-bbox="703 219 1354 365"><i>How Well Do You Know Your Server?</i></p> <p data-bbox="703 414 1354 625">Legacy servers can be difficult to migrate, harboring many unknown elements that can surface after a migration begins.</p> <p data-bbox="703 673 1354 1015">These technical pitfalls can significantly delay a migration and increase costs. Use VirtaMove's technology and expertise to steer your migration project to success, from strategy to completion. At VirtaMove we've migrated tens of thousands of servers across multiple platforms, on-prem or to the cloud.</p> <p data-bbox="703 1063 1354 1258">We can help you determine which applications can and should be migrated, how complex a migration is likely to be, and the internal resources you'll need to successfully migrate your applications.</p> <p data-bbox="703 1307 1354 1339">(https://virtamove.com/solutions/migration-strategy/)</p>

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		<div><h3>To View Overall Application Monitoring</h3><p>Click Monitor. The Application Migration Learning windows displays.</p><p>The following table describes the information listed on the Application Migration Learning window.</p><table><tr><th>Item</th><th>Description</th></tr><tr><td>Application</td><td>The name of the application being monitored.</td></tr><tr><td>Host Name</td><td>The host name of the source running the application.</td></tr><tr><td>IP Address</td><td>The IP address of the source running the application.</td></tr><tr><td>Days Monitored</td><td>How long the application has been monitored, in days.</td></tr><tr><td>Components Found</td><td>The number of components found associated with the monitored application, and the user who launched the application.</td></tr><tr><td>Status</td><td><div>The status of the monitored application. Can be:<ul style="list-style-type: none">• Learning - V-Maestro is still learning and analyzing the application.• Candidate - V-Maestro has learned the application and it is a candidate for migration.• No Usage - V-Maestro did not detect use of the application during the monitoring time. This is not likely to be good candidate for migration.</div></td></tr><tr><td>Usage</td><td><div>A graphical representation of the usage pattern for the monitored application.</div><div>Each square or block represents a day of use.</div></td></tr></table><p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314671636/Viewing+Overall+Application+Monitoring)</p><p>Indeed, the Accused Products discover “source infrastructure management components.”</p></div>	Item	Description	Application	The name of the application being monitored.	Host Name	The host name of the source running the application.	IP Address	The IP address of the source running the application.	Days Monitored	How long the application has been monitored, in days.	Components Found	The number of components found associated with the monitored application, and the user who launched the application.	Status	<div>The status of the monitored application. Can be:<ul style="list-style-type: none">• Learning - V-Maestro is still learning and analyzing the application.• Candidate - V-Maestro has learned the application and it is a candidate for migration.• No Usage - V-Maestro did not detect use of the application during the monitoring time. This is not likely to be good candidate for migration.</div>	Usage	<div>A graphical representation of the usage pattern for the monitored application.</div> <div>Each square or block represents a day of use.</div>
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Discovering Your Source Inventory



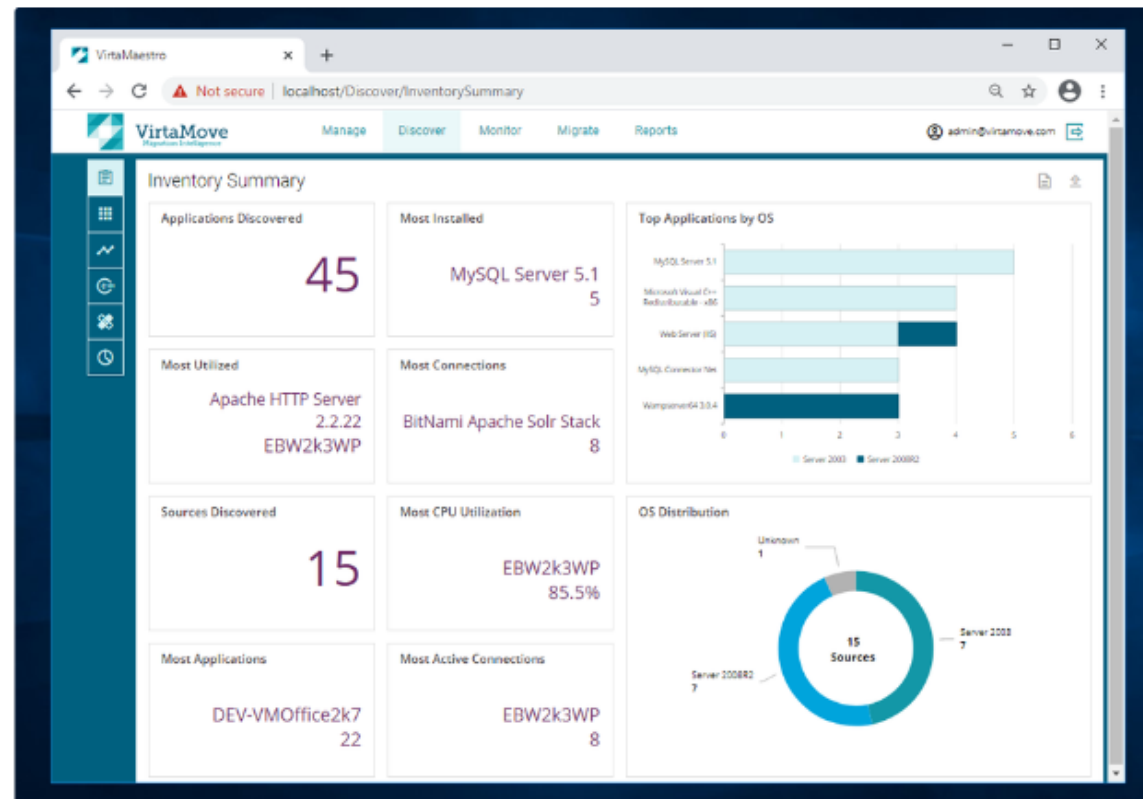
Owned by Thomas Farley (Deactivated) ***


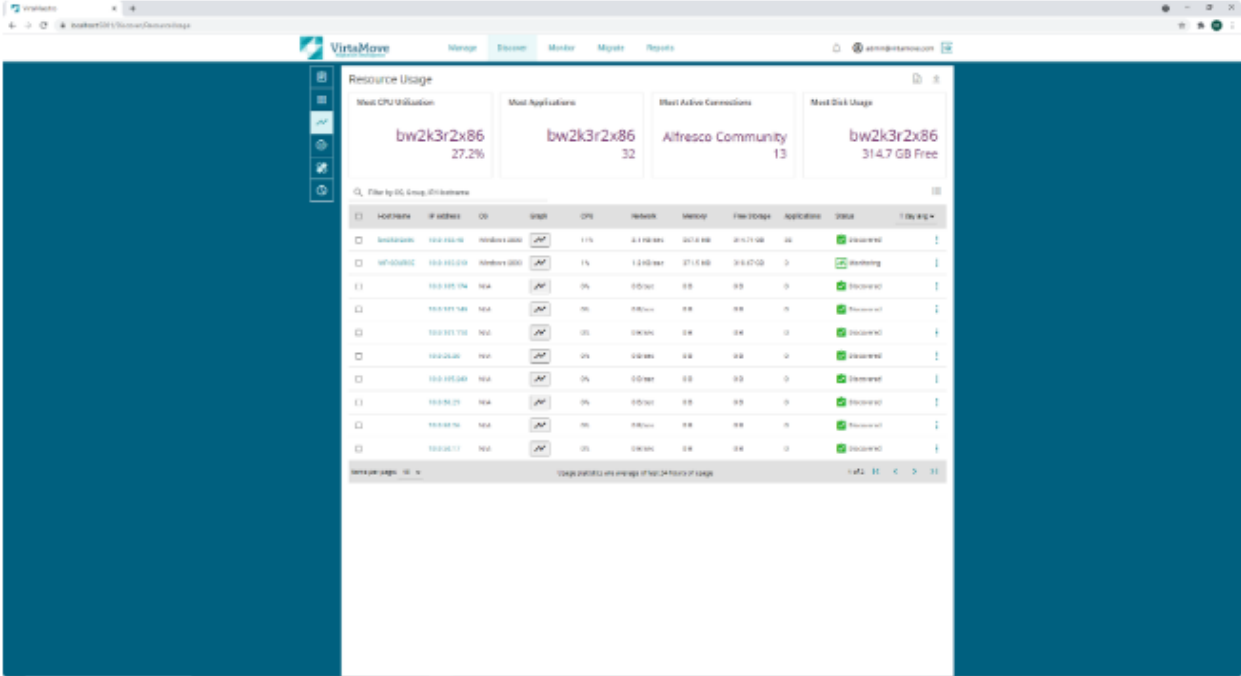
Last updated: Mar 30, 2022 • 1 min read

Click **Discover>Inventory**.

In the Inventory Summary window, V-Maestro displays a summary of discovered inventory across the network. You can view:

- How many active sources were discovered in the network
- How many applications were discovered, and which application is most installed
- The distribution of OSs installed across the network, and more



Claim	US 9,722,858 Claim Term	Analysis
		<p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314638499/Discovering+Your+Source+Inventory)</p> <h2 data-bbox="711 326 1293 375">Discovering Resource Usage</h2> <p data-bbox="716 423 1173 480">  Owned by Thomas Farley (Deactivated) *** Last updated: Mar 30, 2022 • 2 min read </p> <p data-bbox="711 526 1850 558">The Resource Usage window displays a summary of resource usage data for discovered sources.</p> <p data-bbox="711 594 1575 626">Click Discover>Resource Usage. The Resource Usage page is displayed.</p> 

Claim	US 9,722,858 Claim Term	Analysis
		(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314605794/Discovering+Resource+Usage)

Claim	US 9,722,858 Claim Term	Analysis																																
		<p>The following table lists the elements in the Resource Usage window.</p> <table><tr><th>Item</th><th>Description</th></tr><tr><td>Most CPU Utilization</td><td>Displays the source with the greatest CPU utilization, and use in percent.</td></tr><tr><td>Most Applications</td><td>Displays the source with the most applications, and the number.</td></tr><tr><td>Most Active Connections</td><td>Displays the application with the most active connections, and the number of active connections.</td></tr><tr><td>Most Disk Usage</td><td>Displays the source with the most disk usage, and the amount of free disk space this source has in GB.</td></tr><tr><td>Filter</td><td>Lets you filter the list of sources by OS, assigned group, or IP/hostname.</td></tr><tr><td>Host Name</td><td>The hostname of the source.</td></tr><tr><td>IP Address</td><td>The IP address of the source.</td></tr><tr><td>OS</td><td>The OS of the source.</td></tr><tr><td>Graph</td><td>The resource utilization of the source. Click the Graph icon to view CPU and Disk usage.</td></tr><tr><td>CPU</td><td>CPU in percent.</td></tr><tr><td>Network</td><td>The network.</td></tr><tr><td>Memory</td><td>Memory.</td></tr><tr><td>Free Storage</td><td>The amount of free storage, in GB.</td></tr><tr><td>Applications</td><td>The number of applications installed on the source.</td></tr><tr><td>Status</td><td>The status of the applications installed on the source.</td></tr></table>	Item	Description	Most CPU Utilization	Displays the source with the greatest CPU utilization, and use in percent.	Most Applications	Displays the source with the most applications, and the number.	Most Active Connections	Displays the application with the most active connections, and the number of active connections.	Most Disk Usage	Displays the source with the most disk usage, and the amount of free disk space this source has in GB.	Filter	Lets you filter the list of sources by OS, assigned group, or IP/hostname.	Host Name	The hostname of the source.	IP Address	The IP address of the source.	OS	The OS of the source.	Graph	The resource utilization of the source. Click the Graph icon to view CPU and Disk usage.	CPU	CPU in percent.	Network	The network.	Memory	Memory.	Free Storage	The amount of free storage, in GB.	Applications	The number of applications installed on the source.	Status	The status of the applications installed on the source.
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		<h2>Managing Source Services</h2> <div><div><div>TF</div><div>Owned by Thomas Farley (Deactivated) *** Mar 03, 2022 • 2 min read</div></div></div> <p>You can list installed services on the source machine and copy services from this list to the destination machine before you dock a container.</p> <p>The Remote Registry service must be started on the source machine to allow remote users to modify registry settings on the computer and get source services.</p> <p>Services that have already been added to a container appear gray in the Source Services list of the Tether tab.</p> <p>If a user account corresponding to the login credentials of a selected service is bundled with a container, information from the account bundle associated with the service user as well as the user password will be imported automatically when the appliance is docked. If the user doesn't currently exist on the underlying operating system, the user will be created using the password displayed in the Services tab.</p> <h3>To Manage Source Services</h3> <ol style="list-style-type: none">1. Select the container for which you enabled Tether, and then click the Tether tab.2. Run an Audit of the source and destination machine by clicking the Run Audit button. If credentials fail or pre-requisites have not been met for tethering, an error message is displayed at the bottom of the Administrative Console window. To scroll through messages, click the Back or Forward button on the left or right of the message bar. You can view the Audit Report by going to the Appliance Logs tab to determine what the problem is.3. Click the Find Applications button. A list of services on the source machine is displayed in the Source Services tab. <div><div>Source ProductsSource ServicesSource AccountsSource COMSource Tasks</div><table><thead><tr><th>Service Name</th><th>Display Name</th><th>Descrpt</th><th>User Name</th><th>Startup Type</th><th>Source Status</th></tr></thead><tbody><tr><td><input type="checkbox"/> MDM</td><td>Machine Debug ...</td><td>Supp...</td><td>LocalSystem</td><td>Automatic</td><td>Started</td></tr><tr><td><input type="checkbox"/> MSSQL\$SQULEX...</td><td>SQL Server (SQL...</td><td>Provi...</td><td>LocalSystem</td><td>Automatic</td><td>Started</td></tr><tr><td><input type="checkbox"/> MSSQLServerAD...</td><td>MSSQLServerAD...</td><td></td><td>LocalSystem</td><td>Manual</td><td>Stopped</td></tr><tr><td><input type="checkbox"/> MSSQLServerAD...</td><td>SQL Active Direc...</td><td>Enab...</td><td>NT AUTHORITY...</td><td>Disabled</td><td>Stopped</td></tr><tr><td><input checked="" type="checkbox"/> MSSQLServerOL...</td><td>MSSQLServerOL...</td><td>Micro...</td><td>LocalSystem</td><td>Automatic</td><td>Started</td></tr></tbody></table><div>SaveCancel</div></div> <ol style="list-style-type: none">4. Select or de-select a service or services in the Source Services list, and then click Save to copy the configuration of the selected services from the source machine to the destination machine. The selected services now appear on the Services tab for the container or are removed from the Services tab.	Service Name	Display Name	Descrpt	User Name	Startup Type	Source Status	<input type="checkbox"/> MDM	Machine Debug ...	Supp...	LocalSystem	Automatic	Started	<input type="checkbox"/> MSSQL\$SQULEX...	SQL Server (SQL...	Provi...	LocalSystem	Automatic	Started	<input type="checkbox"/> MSSQLServerAD...	MSSQLServerAD...		LocalSystem	Manual	Stopped	<input type="checkbox"/> MSSQLServerAD...	SQL Active Direc...	Enab...	NT AUTHORITY...	Disabled	Stopped	<input checked="" type="checkbox"/> MSSQLServerOL...	MSSQLServerOL...	Micro...	LocalSystem	Automatic	Started
Service Name	Display Name	Descrpt	User Name	Startup Type	Source Status																																	
<input type="checkbox"/> MDM	Machine Debug ...	Supp...	LocalSystem	Automatic	Started																																	
<input type="checkbox"/> MSSQL\$SQULEX...	SQL Server (SQL...	Provi...	LocalSystem	Automatic	Started																																	
<input type="checkbox"/> MSSQLServerAD...	MSSQLServerAD...		LocalSystem	Manual	Stopped																																	
<input type="checkbox"/> MSSQLServerAD...	SQL Active Direc...	Enab...	NT AUTHORITY...	Disabled	Stopped																																	
<input checked="" type="checkbox"/> MSSQLServerOL...	MSSQLServerOL...	Micro...	LocalSystem	Automatic	Started																																	

Claim	US 9,722,858 Claim Term	Analysis
		<p data-bbox="690 215 1944 245"><u>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/311394775/Managing+Source+Services)</u></p> <p data-bbox="690 280 1982 386">The “Audit Report” compares configurations of the source and destination machines and/or servers, which necessarily requires “discovering.” Below includes examples of “Audit Report Contents,” but such examples should not be viewed as exclusive or limiting.</p>

Understanding Audit




Owned by Thomas Farley (Deactivated) ***
Last updated: Apr 01, 2022 • 10 min read


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 - [Windows2k](#)

Claim	US 9,722,858 Claim Term	Analysis
		<p data-bbox="690 212 1871 245">https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit</p> <p data-bbox="705 313 852 345">OS Viable</p> <p data-bbox="705 371 957 404">This is a blocking issue.</p> <p data-bbox="705 430 1969 495">This section indicates whether the operating system version of the destination machine is equal to or greater than the source operating system version.</p> <p data-bbox="705 527 1608 560">If the versions of the operating systems are not viable, contact your system administrator.</p> <p data-bbox="690 615 1927 680">https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#OS-Viable</p> <p data-bbox="697 719 819 751">Firewall</p> <p data-bbox="697 784 1955 849">This section indicates the firewall state of the three networking profiles (private, domain, public) on the destination and source machines. If the corresponding states differ between the two machines, a warning will be shown here.</p> <p data-bbox="697 881 1921 946">This section may display *Unknown* for the firewall state. This may occur because the source machine is running an older version of Windows Server (2003 or earlier), which has only one network profile.</p> <p data-bbox="697 979 1927 1092">A firewall comparison tool is available if you want to compare firewall rule differences or troubleshoot firewall issues between the source and destination. See Comparing Group Policies between Source and Destination for more information.</p> <p data-bbox="690 1148 1982 1213">https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#Firewall</p>

Claim	US 9,722,858 Claim Term	Analysis
		<h2 data-bbox="701 212 1159 256">Comparing Firewall Rules</h2> <div data-bbox="701 297 1108 349">  Owned by Thomas Farley (Deactivated) *** Last updated: Dec 04, 2022 • 2 min read </div> <p data-bbox="701 389 1724 456">Audit provides a warning about differences regarding the firewall enable state between the source and destination machine. A Compare Firewall Rules utility lets you compare rule differences.</p> <p data-bbox="701 488 1646 555">The utility is available only for Windows Server 2008 or later because earlier versions of the operating system do not feature additional firewall profiles.</p> <p data-bbox="701 587 1671 654">After you successfully run Audit, a firewall report is generated in the installation directory. For example:</p> <pre data-bbox="701 695 1325 721">1 C:\appliances\MyAppliance\ctrack\Log\AuditFirewall</pre> <p data-bbox="701 813 1948 846">https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310739279/Comparing+Firewall+Rules</p> <h2 data-bbox="701 886 879 930">COMPlus</h2> <p data-bbox="701 963 1026 995">This is a blocking issue.</p> <p data-bbox="701 1036 1638 1068">Note: This check is not performed for Windows Server 2000 migrations.</p> <p data-bbox="701 1109 1948 1192">This section indicates whether COM+ is enabled, COM+ access is enabled, and whether Remote COM+ Network is enabled.</p> <p data-bbox="701 1265 1869 1297">https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit</p>

Claim	US 9,722,858 Claim Term	Analysis
		<p>Disk Configuration Test</p> <p>This section provides information on how big the source machine and the destination machine drives are. A warning will be generated if the source machine drive is bigger than the destination machine drive.</p> <p>This section indicates whether the system drives match on the destination and source machines.</p> <p>If the system drives do not match, contact your system administrator.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#Disk-Configuration-Test)</p> <p>Group Policies</p> <p>This audit is not available on Windows 2000 or earlier. A group policy report will not be generated.</p> <p>The group policy section in the audit report indicates whether group policy information was successfully collected from the source and destination machines. If the audit was successful, then you can perform a group policy comparison using the https://virtamove.atlassian.net/wiki/spaces/VE/pages/309297809/Group+Policy+Comparison+Tool?search_id=8befec8f-bb8f-4f46-ac1d-6efb11f17c83 Can't find link from the Administrative Console. If the audit was not successful, the audit report will indicate why group policy information could not be collected.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#Group-Policies)</p>

Claim	US 9,722,858 Claim Term	Analysis
		<h3 data-bbox="705 212 1688 253">Comparing Group Policies between Source and Destination</h3> <div data-bbox="705 289 1079 337"> Owned by Thomas Farley (Deactivated) *** Last updated: Dec 04, 2022 • 2 min read</div> <p data-bbox="705 375 1871 435">A Group Policy Comparison utility lets you compare rule differences regarding the group policies between the source and destination machine.</p> <p data-bbox="705 467 1283 492">The utility is available only for Windows Server 2003 or later.</p> <p data-bbox="705 521 1885 581">After you successfully run Audit, a group policy report is generated for supported platforms in the installation directory. For example:</p> <pre data-bbox="705 605 1955 662">1 C:\appliances\MyAppliance\ctrack\Log\AuditGroupPolicies\</pre> <p data-bbox="705 716 1976 784">(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310707046/Comparing+Group+Policies+between+Source+and+Destination)</p>

Claim	US 9,722,858 Claim Term	Analysis
		<p>IIS</p> <p>This section indicates whether Microsoft Web Deploy is installed on the destination and source machines.</p> <p>Web Deploy 3.5 or higher is required on the source machine for IIS web application migrations. Web Deploy is a tool that simplifies migration, management, and deployment of IIS web servers and web applications. You must install Web Deploy on the source machine, selecting "complete" or full mode at installation time. VirtaMove will automatically install Web Deploy on the destination machine.</p> <p>If Web Deploy 3.0 was installed on the source server and you subsequently installed Web Deploy 3.5 or higher in order to successfully migrate your application after the source and destination machines are connected via VirtaMove Source Agent, you will need to run</p> <pre data-bbox="716 800 1959 868">1 virtatetheradmin <machine name> /C</pre> <p>on the destination server so that the destination server will recognize the new installation of Web Deploy on the source server. It indicates whether Web Deployment Agent is installed and started.</p> <p>Microsoft IIS applications use port 80 by default. This section indicates whether port 80 is open on the source machine.</p> <p>If a required port is not open, you must open the port. For information about how to open a port, see for example: How can I open or forward a port on my router?</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit)</p>

Claim	US 9,722,858 Claim Term	Analysis
		<p>Port</p> <p>This section of the report indicates the status of the required ports on the source machine.</p> <ul style="list-style-type: none"> • Check that there is connectivity end-to-end from the destination server to the source on port 445. This is a blocking issue if VirtaMove Source Agent is not being used and port 445 is not open. End-to-end means that the port is open at the Windows firewalls, at the cloud-instance firewalls, and at any perimeter firewalls between the two servers. If the use of port 445 is not permitted on the network or is a concern, use a virtual private network (VPN) to establish connectivity between the destination and source machines. • For IIS migrations, make sure that port 80 is open because it is required by Web Deploy. • For migrations that use VirtaMove Source Agent, make sure that port 9665 is open on the source machine. Port 9665 is required to establish a connection to the VirtaMove Source Agent on the source machine. Two inbound rules must be created on the source machine: one for the TCP and one for the UDP port (both 9665). See https://technet.microsoft.com/en-us/library/ms345310(v=sql.100).aspx for more information. <p>VirtaMove Source Agent communicates through TCP port number 9665 by default. You can configure the port number to a different number if required. See VirtaMove Source Agent for more information.</p> <p>If the Audit Report indicates that a required port is closed, makes sure that external nodes between the destination machine and the source machine also permit communication across these ports (port 445, 9665, etc.). For example, if you are migrating to an Amazon Web Services (AWS) managed cloud server, make sure that AWS also has these ports opened.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#Port)</p>

Remote Access

This is a blocking issue.

If the VirtaMove Source Agent is active, the Remote Access test is not performed.

Remote Access must be enabled to accept COM requests and may be required for DCOM.

To enable remote access, the registry key values `Com+Enabled` and `RemoteAccessEnabled` must be set to `1` in the `HKLM\SOFTWARE\Microsoft\COM3` registry key on the source machine. The Remote Access enabled value is used in the [COMPlus](#) check. Enable the key as follows:

1. Start Registry Editor.
2. Locate and click the following key in the registry: `HKEY_LOCAL_MACHINE\Software\Microsoft\COM3`
3. Set the registry key value `RemoteAccessEnabled` to `1`
4. Set the registry key value `Com+Enabled` to `1`.
5. Quit Registry Editor.

For less than Windows Server 2008

The following key must be set to 1 or undefined:

```
1 Local SYSTEM\CurrentControlSet\Services\LanmanServer\Parameters\AutoShareServer
```

For Windows Server 2008 or higher


The Remote Account must be the built-in Administrator (not just an Administrator), or the following key must be set to 1 on both the source and destination machine:



```
1 SOFTWARE\Microsoft\Windows\CurrentVersion\Policies\System\LocalAccountTokenFilterPolicy
```

Remote Administrative Shares Enabled

Remote administrative shares (such as c\$, d\$, etc.) must be enabled in the registry on the source machine. Administrative shares must be enabled to copy data over the network.

If remote administrative shares are disabled, contact your system administrator.

Claim	US 9,722,858 Claim Term	Analysis
		<p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit)</p> <h2 data-bbox="703 289 1022 334">Config-on-the-Fly</h2> <div data-bbox="703 375 1100 423">  Owned by Thomas Farley (Deactivated) *** Last updated: Mar 28, 2022 • 2 min read </div> <h3 data-bbox="703 462 896 488">Table of Contents</h3> <ul data-bbox="703 521 1232 670" style="list-style-type: none"> • Config-on-the-fly Files and Paths • Config-on-the-fly on Demand • Mapping NICs between Source and Destination • COTF Log <hr data-bbox="703 711 1940 717"/> <p data-bbox="703 764 1940 914">Your container may contain configuration information from another system and this information may not be compatible with the current system. For example, you may need to change IP addresses or hostnames. You can use a Config-on-the-fly file (<i>StandardCOTF.xml</i>) to update the configuration information so that it works with the current system. You may need to update the settings in the configuration file with information from the current system.</p> <p data-bbox="703 943 1896 969">You specify the Config-on-the-fly file using the <code>virtapedit</code> command-line utility to update the following property:</p> <pre data-bbox="703 992 1940 1052">1 CPROP_CONFIG_FILE</pre> <p data-bbox="703 1078 1934 1104">Container properties (for example, <code>CPROP_SRC_NODENAME</code>) can be used as arguments to the <code>CPROP_CONFIG_FILE</code> property.</p> <p data-bbox="703 1135 1106 1161">StandardCOTF.xml is located as follows:</p> <pre data-bbox="703 1183 1940 1243">1 C:\appliances\<ContainerName>\COTF\StandardCOTF.xml</pre> <p data-bbox="703 1269 1904 1338">You can have multiple COTF files in the COTF folder. For example, one file could be for replacing IP addresses and another one for replacing hostnames. V-Migrate will load the combined COTF information from the files in the folder.</p>

Claim	US 9,722,858 Claim Term	Analysis
		<p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/311263613/Config-on-the-Fly)</p> <h3 data-bbox="709 289 1050 332">Encryption Detection</h3> <p data-bbox="709 370 1075 414">  Owned by Thomas Farley (Deactivated) *** Last updated: Mar 25, 2022 • 1 min read </p> <p data-bbox="709 451 1974 552">Your container may contain encrypted configuration information from the source machine that is not compatible with the information on the current machine. You can use the <code>virtacryptdetect</code> tool to log the paths of files and registry keys to help you determine which configuration information needs to be modified.</p> <p data-bbox="709 576 913 609">See also <code>virtacotf</code>.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/311132174/Encryption+Detection)</p> <h3 data-bbox="709 743 1039 787">Viewing Log Files</h3> <p data-bbox="709 836 1134 885">  Owned by Thomas Farley (Deactivated) *** Mar 29, 2022 • 2 min read </p> <p data-bbox="709 925 1974 1039">V-Maestro generates log files containing messages that record all types of events, including startup and shutdown information and error and warning messages. This topic describes how to view log files to assist in monitoring system activity and aid in diagnosing and fixing problems.</p> <p data-bbox="709 1071 1774 1104">Log files are located in the following location on the V-Maestro machine: <code>VirtaMove/Maestro/logs</code></p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314606288/Viewing+Log+Files)</p>

Viewing Logs and Error Messages

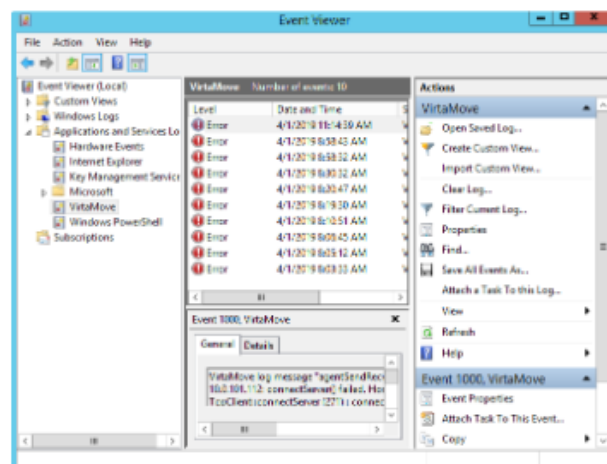
TF Owned by Thomas Farley (Deactivated) ***
Mar 24, 2022 • 2 min read

Logging settings are created in the Windows Registry when VirtaMove is installed:

`HKEY_LOCAL_MACHINE\SOFTWARE\VirtaMove Settings\Controller]`

`LogProviders=EventLog;File;Console`

Error or debugging messages are output to the Windows Event Viewer, in the category VirtaMove. Click on a log in the Event Viewer to see more information about the log file.



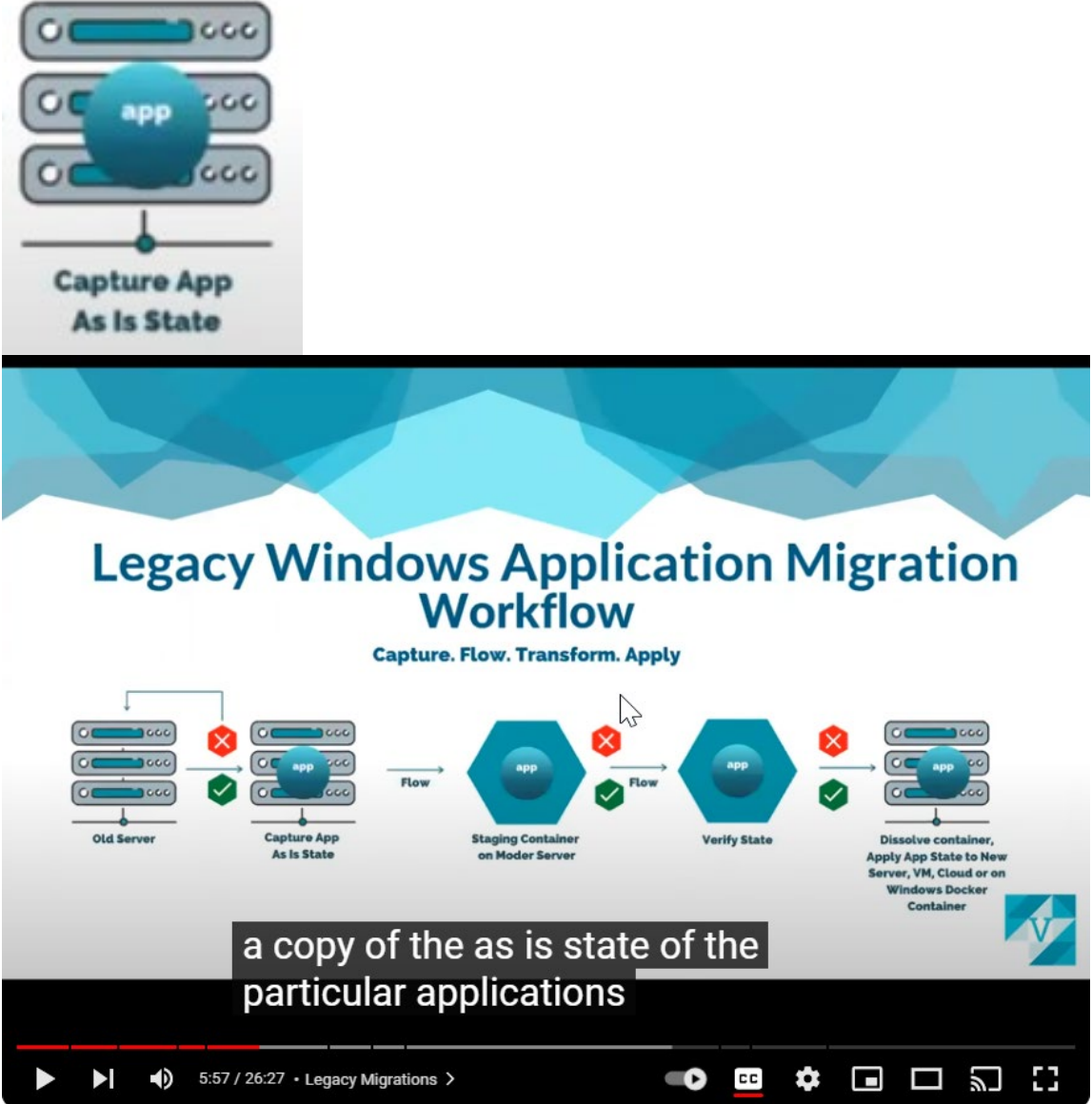
In addition, Activity and Log messages for a container are saved in a text file located in the container `\ctrack` folder.

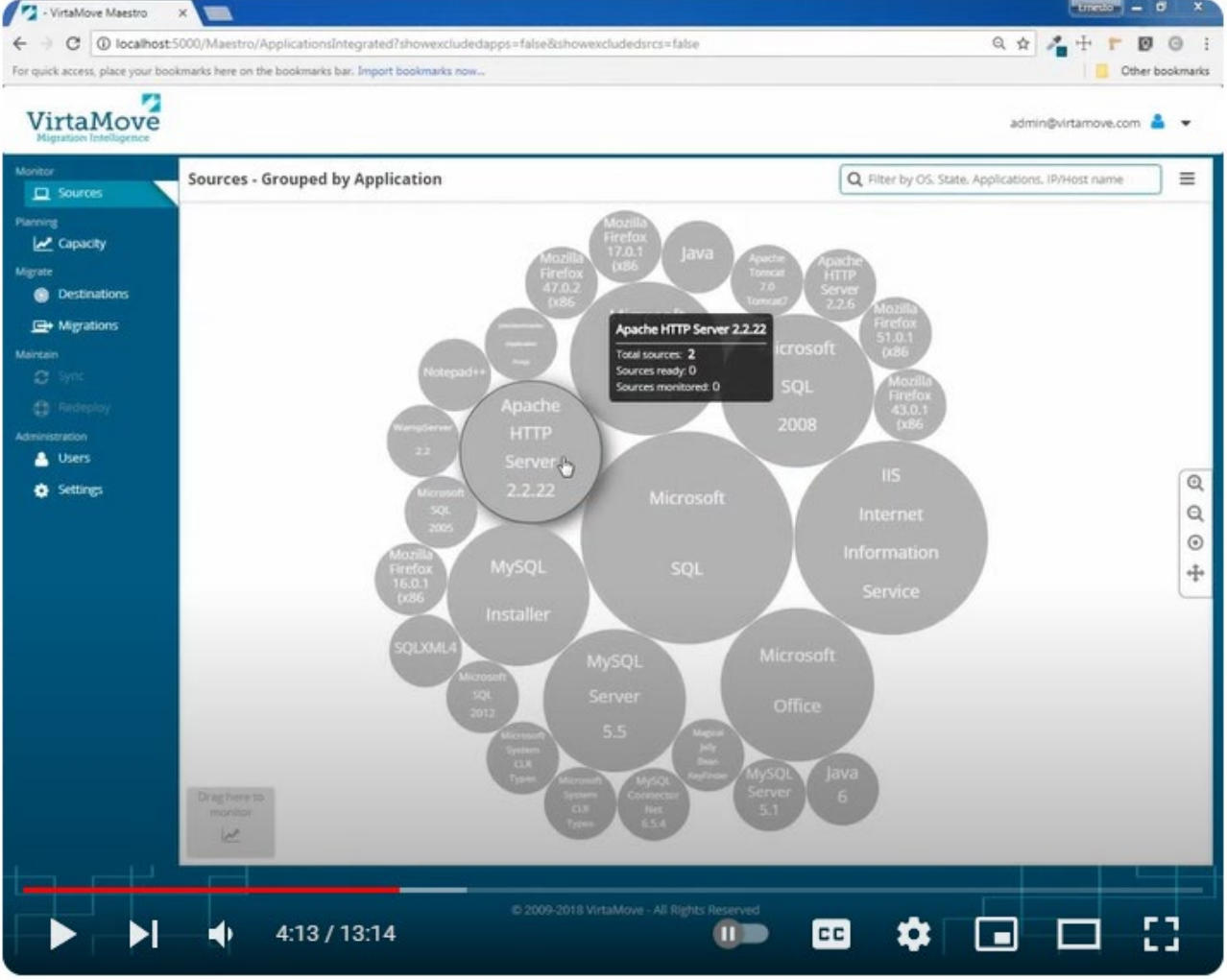
You can also view logs for a selected container in the **Appliance Logs** tab of the Administrative Console.

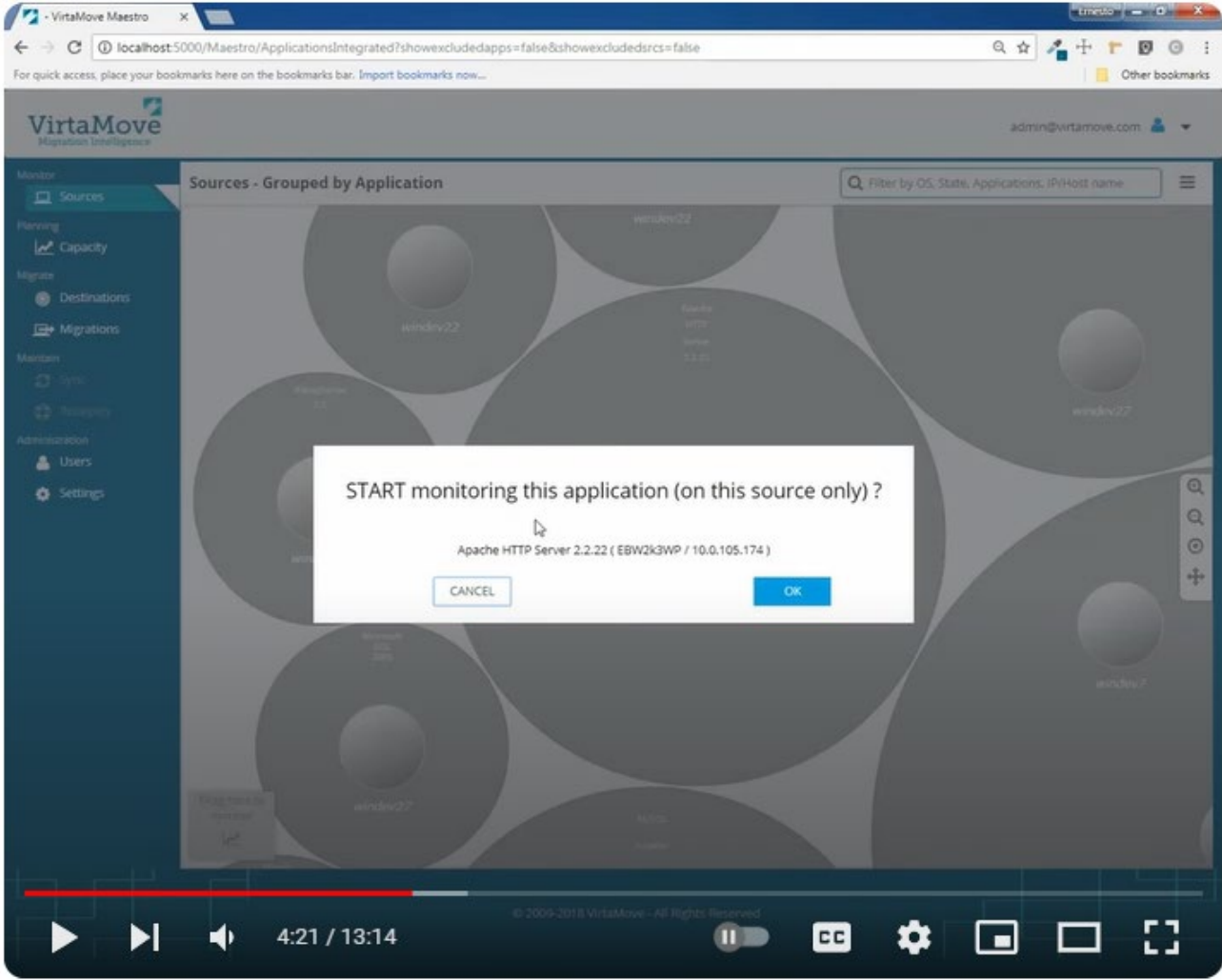
To View Logs for a Container

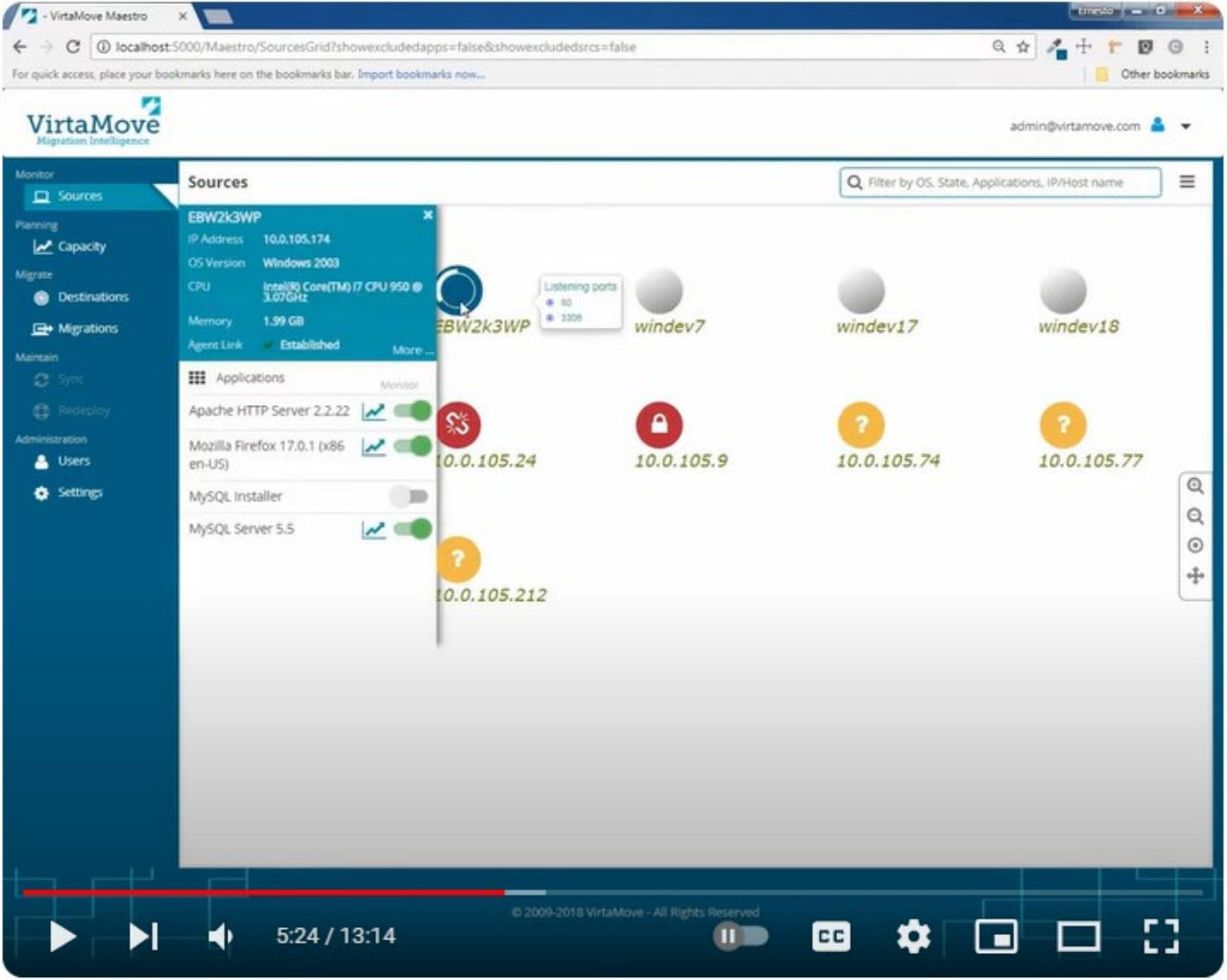
1. In the Administrative Console, select a container.
2. Click the **Appliance Logs** tab.
3. Click one of the following tabs:
 - Audit Report - to view the Audit Report for a container
 - Activity - to view activity logs
 - Error - to view error logs
 - Tether - to view Tether logs
 - IIS Migration - to view information relating to IIS application migration
 - COTF - to view a COTF log file
 - Tether Sync - to view information relating to Tether Sync
 - Compression - to view compression messages
 - Dissolve - to view a Dissolve report for a dissolved container
- If you selected Activity or Error logs, specify a date range, and then click **Load Logs**. Records are returned in the activity window.

Claim	US 9,722,858 Claim Term	Analysis
		<p data-bbox="695 215 1988 280"><u>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/313917483/Viewing+Logs+and+Error+Messages)</u></p> <p data-bbox="695 318 1988 423">“We select the applications and the dependencies associated with that application and then we take a stateful or an as-is state—a copy of the as is state of the particular applications and dependencies that have been chosen and with that copy we move that to the destination server.”</p>

Claim	US 9,722,858 Claim Term	Analysis
		 <p>The screenshot displays a video player interface. At the top left, there is a small thumbnail showing a server rack with a blue circle labeled 'app' in the center, and the text 'Capture App As Is State' below it. The main video area has a blue geometric background at the top. Below this, the title 'Legacy Windows Application Migration Workflow' is centered in a large, bold, dark blue font. Underneath the title, the subtitle 'Capture. Flow. Transform. Apply' is centered in a smaller, bold, dark blue font. The video content shows a workflow diagram. It starts with 'Old Server' (represented by three server icons) with a red 'X' above it. An arrow points to 'Capture App As Is State' (a server icon with a blue circle labeled 'app' and a green checkmark below it). Another arrow labeled 'Flow' points to 'Staging Container on Moder Server' (a blue hexagon with a blue circle labeled 'app' and a green checkmark below it). A third arrow labeled 'Flow' points to 'Verify State' (a blue hexagon with a blue circle labeled 'app' and a green checkmark below it). A final arrow points to 'Dissolve container, Apply App State to New Server, VM, Cloud or on Windows Docker Container' (a server icon with a blue circle labeled 'app' and a green checkmark below it). A red 'X' is above the final step. At the bottom of the video frame, there is a black bar with white text that reads 'a copy of the as is state of the particular applications'. The video player controls at the bottom show a progress bar at 5:57 / 26:27, a play button, a volume icon, and various settings icons.</p>

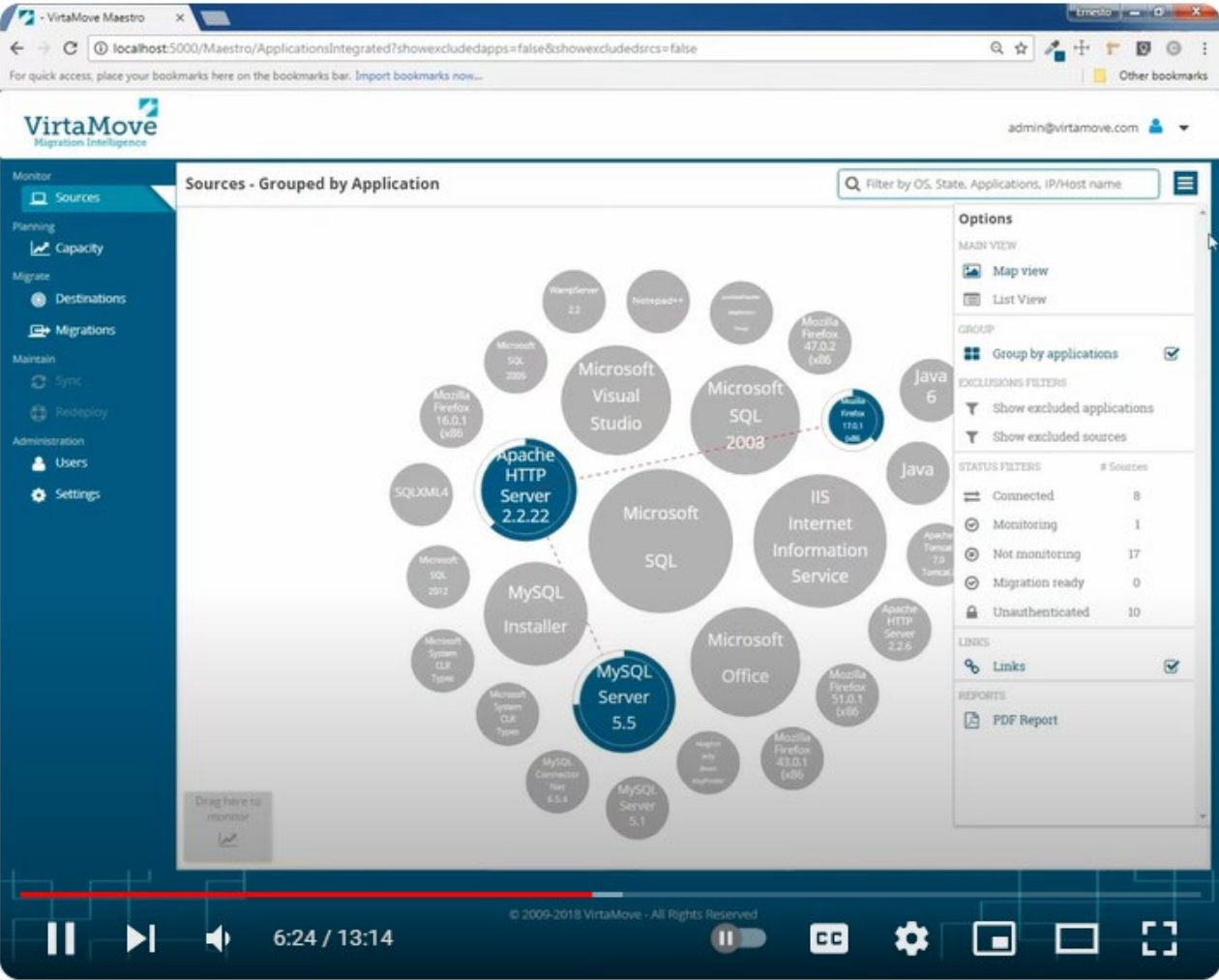
Claim	US 9,722,858 Claim Term	Analysis
		<p>(https://www.youtube.com/watch?v=hDb541Ax6xw)</p> <p>The Accused Products discover “source infrastructure management components” such as applications and/or servers.</p>  <p>The screenshot displays the VirtaMove Maestro web application. The interface includes a left-hand navigation menu with options like Monitor, Sources, Planning, Capacity, Migrate, Destinations, Migrations, Maintain, Sync, Redeploy, Administration, Users, and Settings. The main content area is titled 'Sources - Grouped by Application' and features a bubble chart. Each bubble represents a different application or server, with its size corresponding to the number of sources. A tooltip for 'Apache HTTP Server 2.2.22' is visible, showing 'Total sources: 2', 'Sources ready: 0', and 'Sources monitored: 0'. Other bubbles include 'Microsoft SQL 2008', 'IIS Internet Information Service', 'Microsoft Office', 'MySQL Server 5.5', 'MySQL Connector/Not 5.5.4', 'MySQL Server 5.1', 'Java 6', 'Microsoft SQL 2012', 'Microsoft System CLR Types', 'Microsoft System CLR Types', 'SQLXML4', 'MySQL Installer', 'Microsoft SQL 2005', 'Notepad++', 'WangServer 2.2', 'Mozilla Firefox 47.0.2 (x86)', 'Mozilla Firefox 17.0.1 (x86)', 'Mozilla Firefox 51.0.1 (x86)', 'Mozilla Firefox 43.0.1 (x86)', 'Apache Tomcat 7.0', 'Apache Tomcat 2.2.6', and 'Microsoft SQL 2008'. The video player controls at the bottom indicate the video is at 4:13 / 13:14.</p>

Claim	US 9,722,858 Claim Term	Analysis
		<p data-bbox="688 214 1436 245">(https://www.youtube.com/watch?v=nOIMUwHMvY0&t)</p>  <p data-bbox="688 1344 1436 1375">(https://www.youtube.com/watch?v=nOIMUwHMvY0&t)</p> <p>The screenshot displays the VirtaMove Maestro web application interface. The browser address bar shows the URL <code>localhost:5000/Maestro/ApplicationsIntegrated?showexcludedapps=false&showexcludedsrcs=false</code>. The interface includes a sidebar with navigation options: Monitor, Sources, Planning, Capacity, Migrate, Destinations, Migrations, Monitor, Logs, Resources, Administration, Users, and Settings. The main content area is titled 'Sources - Grouped by Application' and features a search bar with the text 'Filter by OS, State, Applications, IP/Host name'. A modal dialog box is centered on the screen, asking 'START monitoring this application (on this source only)?' with a subtext 'Apache HTTP Server 2.2.22 (EBW2k3WP / 10.0.105.174)'. The dialog has 'CANCEL' and 'OK' buttons. The video player controls at the bottom show a progress bar at 4:21 / 13:14 and various control icons.</p>

Claim	US 9,722,858 Claim Term	Analysis
		 <p>(https://www.youtube.com/watch?v=nOIMUwHMvY0&t)</p> <p><i>“Your server may have external server dependencies that need to be taken into consideration. These are indicated by port connections and data flow of this dotted line. The dotted line tells us the servers are connected in some way. In this instance, it tells us they have a relationship and we should dig</i></p>

Claim	US 9,722,858 Claim Term	Analysis
		down to find out if these are the same applications or perhaps a back-end database service. <i>This is valuable information in terms of deciding when migrating one of these application layers, there may be a knock-on effect on additional servers and infrastructure layers.</i> It lets you plan how to address multi-tier applications. <i>You may need to move one, two or all three of the apps and servers at same time ... The dotted line might simply indicate desktop users or [there] may be other computers or servers that have database components associated with this application in some fashion.”</i> ²

² All emphasis added unless otherwise noted.

Claim	US 9,722,858 Claim Term	Analysis
		 <p>(https://www.youtube.com/watch?v=nOIMUwHMvY0&t)</p>

Claim	US 9,722,858 Claim Term	Analysis
1b	querying a database to obtain a description of a target cloud infrastructure;	<p>The Accused Products perform “querying a database to obtain a description of a target cloud infrastructure.”</p> <p>For example, the Accused Products obtain descriptions of “target cloud infrastructures.” These descriptions include relevant details about target—or destination—infrastructures.</p>

Viewing Destination Details

TF Owned by Thomas Farley (Deactivated) ***
Mar 29, 2022 • 2 min read

You can view detailed information about a selected destination, such as system information, storage profile, migration status, services, accounts, and applied patches.

To View Destination Details




1. Click **Manage>Destinations**. The Destination Inventory window is displayed.
2. Select a destination in the list by clicking on the hostname or the IP column. The Destination Details window is displayed. V-Maestro displays when the destination was last seen at the top of the window.

The screenshot displays the VirtaMaestro web application interface. The browser address bar shows 'localhost/DestinationDetailed/2'. The page title is 'WIN-R2DHOLTSHT5' with a 'Last Seen: 1 minutes ago' indicator. The interface is divided into several sections:

- Destination System Information:**
 - IP Address: 10.0.103.209
 - OS: Windows 2019
 - Group: N/A
 - CPU: Intel(R) Core(TM) i5-8300
 - Source: + Assign
 - CPU @ 2.90GHz
 - Memory: 4.00 GB
- Storage Profile - 1 disks:**
 - 1 System Disk
 - 0 Storage Disks
 - System Disk: 70.6 GB Free / 99.5 GB
 - N/A
- Migrations Complete:** 0
- Migrations In-Progress:** 0
- Required Storage Profile to Dissolve VAA:** No dissolve information available

Below these sections is a table of services:

Service	Status	Start Type	User Name	Description
ActiveX Installer (AdmASV)	Stopped	Disabled	LocalSystem	Provides User Account Control validation for the installation of ActiveX controls from the Internet and enables management of ActiveX control installation based on Group Policy settings. This service is started on demand and if disabled the installation of ActiveX controls will be unable according to default browser settings.
AIJoin Router Service	Stopped	Manual	NT AUTHORITY\LocalService	Routes AIJoin messages for the local AIJoin clients. If this service is stopped the AIJoin clients that do not have their own bundled routers will be unable to run.
App Readiness	Stopped	Manual	LocalSystem	Gets apps ready for use the first time a user signs in to this PC and when adding new apps.
Application Identity	Stopped	Manual	NT Authority\LocalService	Determines and verifies the identity of an application. Disabling this service will prevent AppLocker from being enforced.
Application Information	Stopped	Manual	LocalSystem	Facilitates the running of interactive applications with additional administrative privileges. If this service is stopped, users will be unable to launch applications with the additional administrative privileges they may require to perform desired user tasks.
Application Layer Gateway Service	Stopped	Manual	NT AUTHORITY\LocalService	Provides support for 3rd party protocol plug-ins for Internet Connect on Sharing.

Claim	US 9,722,858 Claim Term	Analysis																
		<div>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314868022/Viewing+Destination+Details)</div> <p>The following table lists the elements in the Destination Details window.</p> <table><tr><th>Item</th><th>Description</th></tr><tr><td>Destination System Information card</td><td>Displays information about the system of the destination:<ul style="list-style-type: none">• IP Address• OS• Any group assigned to the source• CPU• Source. You can assign a destination to a source by clicking Assign.• Memory</td></tr><tr><td>Storage Profile card</td><td>Displays the number of system disks and storage disks, and the amount of free disk space. Click the toggle icon in the top right of the panel to change the view.</td></tr><tr><td>Migrations Complete card</td><td>Displays the number of applications migrated to this destination.</td></tr><tr><td>Migrations In-Progress card</td><td>Displays the number of migrations that are in progress for this destination, and the last operation.</td></tr><tr><td>Required Storage Profile to Dissolve VAA card</td><td>Displays the storage that is required to dissolve the container, if this information is available.</td></tr><tr><td>Filter</td><td>Lets you filter the list of destinations by OS, assigned group, or IP/hostname.</td></tr><tr><td></td><td>These icons let you perform tasks for the destination. From left to right:<ul style="list-style-type: none">• View services on the destination• View user and group accounts associated with the destination• View patches applied to the destination</td></tr></table> <div>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314868022/Viewing+Destination+Details)</div>	Item	Description	Destination System Information card	Displays information about the system of the destination: <ul style="list-style-type: none">• IP Address• OS• Any group assigned to the source• CPU• Source. You can assign a destination to a source by clicking Assign.• Memory	Storage Profile card	Displays the number of system disks and storage disks, and the amount of free disk space. Click the toggle icon in the top right of the panel to change the view.	Migrations Complete card	Displays the number of applications migrated to this destination.	Migrations In-Progress card	Displays the number of migrations that are in progress for this destination, and the last operation.	Required Storage Profile to Dissolve VAA card	Displays the storage that is required to dissolve the container, if this information is available.	Filter	Lets you filter the list of destinations by OS, assigned group, or IP/hostname.		These icons let you perform tasks for the destination. From left to right: <ul style="list-style-type: none">• View services on the destination• View user and group accounts associated with the destination• View patches applied to the destination
Item	Description																	
Destination System Information card	Displays information about the system of the destination: <ul style="list-style-type: none">• IP Address• OS• Any group assigned to the source• CPU• Source. You can assign a destination to a source by clicking Assign.• Memory																	
Storage Profile card	Displays the number of system disks and storage disks, and the amount of free disk space. Click the toggle icon in the top right of the panel to change the view.																	
Migrations Complete card	Displays the number of applications migrated to this destination.																	
Migrations In-Progress card	Displays the number of migrations that are in progress for this destination, and the last operation.																	
Required Storage Profile to Dissolve VAA card	Displays the storage that is required to dissolve the container, if this information is available.																	
Filter	Lets you filter the list of destinations by OS, assigned group, or IP/hostname.																	
	These icons let you perform tasks for the destination. From left to right: <ul style="list-style-type: none">• View services on the destination• View user and group accounts associated with the destination• View patches applied to the destination																	

Viewing Discovered Destinations


You can filter discovered destinations, assign a destination to a source, and delete destinations. You can also view and export reports.

You can perform the following actions for selected destinations:

- View details about the destination
- Exclude a destination from the list
- Re-authenticate the destination
- RDP into the destination
- Assign a source to a destination
- Hide destinations and view all hidden destinations

The following table lists the elements in the Destination Inventory window.

Item	Description
Discovered card	Displays the number of discovered destinations.
No Assigned Source card	Displays the number of discovered destination machines that have not been assigned or mapped to a source.
Audit Failed card	Display the number of discovered destinations that have Audit issues.
Filter	Lets you filter the list of destinations by OS, assigned group, or IP/hostname.
	Click the more actions icon to perform more actions on a selected destination. From top to bottom: <ul style="list-style-type: none"> • View details of a selected destination. • Exclude a destination from the view. • Reauthenticate a selected destination. • RDP to a selected destination.
 	From left to right, hide a selected destination or delete a selected destination.
  	Lets you perform tasks. From left to right: <ul style="list-style-type: none"> • Add a destination • Get a report of listed destinations • Perform additional tasks, such as export a report and view hidden destinations.

Claim	US 9,722,858 Claim Term	Analysis
		<p data-bbox="690 215 1990 280">https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314606009/Viewing+Your+Destination+Inventory</p> <h3 data-bbox="709 321 1402 367">Discovering Your Inventory Patch Level</h3> <div data-bbox="709 407 1110 459"> Owned by Thomas Farley (Deactivated) *** Mar 29, 2022 • 2 min read</div> <p data-bbox="709 500 1944 605">V-Maestro periodically scans all known source and destination servers to find missing OS updates. It reports this information on the Inventory Patch Level window, for each server. Click on an update in the Missing Updates column to view patch details.</p> <p data-bbox="690 670 1990 735">https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314867812/Discovering+Your+Inventory+Patch+Level</p>

Using the Patches View for Destinations



Owned by Thomas Farley (Deactivated) ***
Mar 29, 2022 • 1 min read

The **Patches** view of the Destination Details window displays a list of patches that were applied to a destination.

To View Patches Applied to a Destination

1. Click **Manage>Destinations**. The Destination Inventory window displays.
2. Select a destination. The Destination Details window displays.
3. Click the **Patches** icon in the Destination Details window.





Filter by OS, Group, IP/Hostname


HotFix ID	Installed By	Installed On
KB4462930	WIN-R2DHOLTSHT5\Administrator	2018-11-21
KB4465664	NT AUTHORITY\SYSTEM	2018-11-21
KB4470788	NT AUTHORITY\SYSTEM	2019-01-15
KB4477029	WIN-R2DHOLTSHT5\Administrator	2018-11-21
KB4480056	WIN-R2DHOLTSHT5\Administrator	2019-01-15
KB4480979	WIN-R2DHOLTSHT5\Administrator	2019-01-15
KB4516115	WIN-R2DHOLTSHT5\Administrator	2020-01-16

Claim	US 9,722,858 Claim Term	Analysis
		<u>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314638864/Using+the+Patches+View+for+Destinations)</u>


Claim	US 9,722,858 Claim Term	Analysis																
		<div><h2>Using the Users and Groups View for Destinations</h2><div><div><div>TF</div><div>Owned by Thomas Farley (Deactivated) *** Last updated: Mar 29, 2022 • 1 min read</div></div></div><p>The Users view of the Destination Details window displays a list of user and group accounts associated with a destination.</p><h3>To View Accounts on a Destination</h3><ol style="list-style-type: none">1. Click Manage>Destinations. The Destination Inventory window displays.2. Select a destination. The Destination Details window displays.3. Click the Users icon in the Destination Details window.<div><div><div><div><div></div><div></div><div></div></div><div></div></div><div><div>Filter by OS, Group, IP/Hostname</div><div>ALL</div><div></div><div></div></div><table><thead><tr><th>Account Name</th><th>Type</th></tr></thead><tbody><tr><td>Access Control Assistance Operators</td><td>Group</td></tr><tr><td>Administrator</td><td>User</td></tr><tr><td>Administrators</td><td>Group</td></tr><tr><td>Backup Operators</td><td>Group</td></tr><tr><td>Certificate Service DCOM Access</td><td>Group</td></tr><tr><td>Cryptographic Operators</td><td>Group</td></tr><tr><td>DefaultAccount</td><td>User</td></tr></tbody></table></div></div></div>	Account Name	Type	Access Control Assistance Operators	Group	Administrator	User	Administrators	Group	Backup Operators	Group	Certificate Service DCOM Access	Group	Cryptographic Operators	Group	DefaultAccount	User
Account Name	Type																	
Access Control Assistance Operators	Group																	
Administrator	User																	
Administrators	Group																	
Backup Operators	Group																	
Certificate Service DCOM Access	Group																	
Cryptographic Operators	Group																	
DefaultAccount	User																	


Claim	US 9,722,858 Claim Term	Analysis
		<p data-bbox="695 212 1986 280"><u>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314900661/Using+the+Users+and+Groups+View+for+Destinations)</u></p> <h2 data-bbox="716 337 1346 380">Discovering Capacity Requirements</h2> <div data-bbox="716 418 1115 472"> Owned by Thomas Farley (Deactivated) *** Mar 29, 2022 • 1 min read</div> <p data-bbox="716 509 1940 578">The Capacity Requirements window displays a summary of capacity information for discovered sources so you can plan appropriately for capacity required on destination servers.</p> <p data-bbox="716 610 1614 638">Click Discover>Capacity Requirements. The Capacity Requirements page is displayed.</p> <p data-bbox="716 667 1940 735">To view recommended sizing options for a dissolve-ready migration to the destination, click the plus icon for a selected source. To hide the options, click the icon again.</p> <p data-bbox="695 792 1976 860"><u>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314671412/Discovering+Capacity+Requirements)</u></p> <p data-bbox="695 898 1982 1003">The Accused Products provide “Audit Reports” using a “description of a target cloud infrastructure.” Below includes examples of “Audit Report Contents,” but such examples should not be viewed as exclusive or limiting.</p>


Claim	US 9,722,858 Claim Term	Analysis
		<p>Understanding Audit</p> <p> Owned by Thomas Farley (Deactivated) *** Last updated: Apr 01, 2022 • 10 min read</p> <p>Table of Contents</p> <ul style="list-style-type: none"> • Running a Pre-Migration Audit <ul style="list-style-type: none"> ◦ Running Audit from the Administrative Console • Audit Report Contents <ul style="list-style-type: none"> ◦ Administrative Accounts ◦ Blank Password Match ◦ CPU Type ◦ Cached Logons ◦ COMPlus ◦ Computer Name Test ◦ Disk Configuration Test ◦ Dock Intercept ◦ Domain Controller ◦ Domain Test ◦ DotNet ◦ FIPS ◦ Firewall ◦ Group Policies ◦ IIS ◦ LAN Manager ◦ Network Identity Cards ◦ OS Viable ◦ Port <ul style="list-style-type: none"> ▪ Open Ports on the Destination Machine Firewall ◦ RAM ◦ Remote Access <ul style="list-style-type: none"> ▪ Remote Administrative Shares Enabled ◦ System Roots ◦ System Types ◦ Windows2k <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit)</p>

Claim	US 9,722,858 Claim Term	Analysis
		<p>Firewall</p> <p>This section indicates the firewall state of the three networking profiles (private, domain, public) on the destination and source machines. If the corresponding states differ between the two machines, a warning will be shown here.</p> <p>This section may display *Unknown* for the firewall state. This may occur because the source machine is running an older version of Windows Server (2003 or earlier), which has only one network profile.</p> <p>A firewall comparison tool is available if you want to compare firewall rule differences or troubleshoot firewall issues between the source and destination. See Comparing Group Policies between Source and Destination for more information.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#Firewall)</p> <p>Comparing Firewall Rules</p> <p> Owned by Thomas Farley (Deactivated) *** Last updated: Dec 04, 2022 • 2 min read</p> <p>Audit provides a warning about differences regarding the firewall enable state between the source and destination machine. A Compare Firewall Rules utility lets you compare rule differences.</p> <p>The utility is available only for Windows Server 2008 or later because earlier versions of the operating system do not feature additional firewall profiles.</p> <p>After you successfully run Audit, a firewall report is generated in the installation directory. For example:</p> <pre>1 C:\appliances\MyAppliance\ctrack\Log\AuditFirewall</pre> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310739279/Comparing+Firewall+Rules)</p>

Claim	US 9,722,858 Claim Term	Analysis
		<p>Disk Configuration Test</p> <p>This section provides information on how big the source machine and the destination machine drives are. A warning will be generated if the source machine drive is bigger than the destination machine drive.</p> <p>This section indicates whether the system drives match on the destination and source machines.</p> <p>If the system drives do not match, contact your system administrator.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#Disk-Configuration-Test)</p> <p>FIPS</p> <p>This is a blocking issue.</p> <p>This section indicates whether the FIPS Level is enabled or disabled on the source and destination machine. Some IIS migrations and other application migrations may be affected by a Federal Information Processing standard (FIPS) setting. This setting may result in the error "Unable to validate data".</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#FIPS)</p> <p>Group Policies</p> <p>This audit is not available on Windows 2000 or earlier. A group policy report will not be generated.</p> <p>The group policy section in the audit report indicates whether group policy information was successfully collected from the source and destination machines. If the audit was successful, then you can perform a group policy comparison using the ✖ https://virtamove.atlassian.net/wiki/spaces/VE/pages/309297809/Group+Policy+Comparison+Tool?search_id=8befec8f-bb8f-4f46-ac1d-6efb11f17c83 Can't find link from the Administrative Console. If the audit was not successful, the audit report will indicate why group policy information could not be collected.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#Group-Policies)</p>

Claim	US 9,722,858 Claim Term	Analysis
		<p data-bbox="705 212 1688 253">Comparing Group Policies between Source and Destination</p> <div data-bbox="705 289 1079 337">  Owned by Thomas Farley (Deactivated) *** Last updated: Dec 04, 2022 • 2 min read </div> <p data-bbox="705 375 1871 435">A Group Policy Comparison utility lets you compare rule differences regarding the group policies between the source and destination machine.</p> <p data-bbox="705 467 1283 492">The utility is available only for Windows Server 2003 or later.</p> <p data-bbox="705 521 1887 581">After you successfully run Audit, a group policy report is generated for supported platforms in the installation directory. For example:</p> <div data-bbox="705 605 1955 662"> <pre data-bbox="716 621 1341 646">1 C:\appliances\MyAppliance\ctrack\Log\AuditGroupPolicies\</pre> </div> <p data-bbox="693 716 1976 784"><u>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310707046/Comparing+Group+Policies+between+Source+and+Destination)</u></p> <p data-bbox="705 854 850 886">OS Viable</p> <p data-bbox="705 914 957 938">This is a blocking issue.</p> <p data-bbox="705 971 1969 1036">This section indicates whether the operating system version of the destination machine is equal to or greater than the source operating system version.</p> <p data-bbox="705 1068 1608 1092">If the versions of the operating systems are not viable, contact your system administrator.</p> <p data-bbox="693 1154 1923 1222"><u>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#OS-Viable)</u></p> <p data-bbox="693 1260 1871 1328">Additional evidence showing that the Accused Products obtain configuration information for underlying systems is found below.</p>

Claim	US 9,722,858 Claim Term	Analysis
		<h2 data-bbox="701 224 1024 266">Config-on-the-Fly</h2> <div data-bbox="701 305 1102 358">  Owned by Thomas Farley (Deactivated) *** Last updated: Mar 28, 2022 • 2 min read </div> <h3 data-bbox="701 396 896 420">Table of Contents</h3> <ul data-bbox="701 453 1232 602" style="list-style-type: none"> • Config-on-the-fly Files and Paths • Config-on-the-fly on Demand • Mapping NICs between Source and Destination • COTF Log <hr data-bbox="701 646 1942 649"/> <p data-bbox="701 695 1942 844">Your container may contain configuration information from another system and this information may not be compatible with the current system. For example, you may need to change IP addresses or hostnames. You can use a Config-on-the-fly file (<i>StandardCOTF.xml</i>) to update the configuration information so that it works with the current system. You may need to update the settings in the configuration file with information from the current system.</p> <p data-bbox="701 873 1898 902">You specify the Config-on-the-fly file using the <code>virtapedit</code> command-line utility to update the following property:</p> <pre data-bbox="701 927 945 967">1 CPROP_CONFIG_FILE</pre> <p data-bbox="701 1008 1934 1037">Container properties (for example, <code>CPROP_SRC_NODENAME</code>) can be used as arguments to the <code>CPROP_CONFIG_FILE</code> property.</p> <p data-bbox="701 1068 1108 1092">StandardCOTF.xml is located as follows:</p> <pre data-bbox="701 1133 1329 1157">1 C:\appliances\<ContainerName>\COTF\StandardCOTF.xml</pre> <p data-bbox="701 1203 1906 1271">You can have multiple COTF files in the COTF folder. For example, one file could be for replacing IP addresses and another one for replacing hostnames. V-Migrate will load the combined COTF information from the files in the folder.</p> <p data-bbox="701 1352 1829 1386">https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/311263613/Config-on-the-Fly</p>

Claim	US 9,722,858 Claim Term	Analysis
		<p>Encryption Detection</p> <p> Owned by Thomas Farley (Deactivated) *** Last updated: Mar 25, 2022 • 1 min read</p> <p>Your container may contain encrypted configuration information from the source machine that is not compatible with the information on the current machine. You can use the virtacryptdetect tool to log the paths of files and registry keys to help you determine which configuration information needs to be modified.</p> <p>See also virtacotf.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/311132174/Encryption+Detection)</p>
1c	analyzing said at least one source infrastructure management component using said description of said target cloud infrastructure to determine that said at least one source infrastructure management component is appropriate for infrastructure configuration mapping to said target cloud infrastructure;	<p>The Accused Products perform “analyzing said at least one source infrastructure management component using said description of said target cloud infrastructure to determine that said at least one source infrastructure management component is appropriate for infrastructure configuration mapping to said target cloud infrastructure.”</p> <p>For example, the Accused Products obtain a description for “target cloud infrastructure[s].” Thereafter, the Accused Products analyze—or otherwise compare—source and destination infrastructures, both functional and non-functional requirements, to “determine that said at least one source infrastructure management component is appropriate for infrastructure configuration mapping to said target cloud infrastructure.”</p>

Viewing Destination Details

TF Owned by Thomas Farley (Deactivated) ***
Mar 29, 2022 • 2 min read

You can view detailed information about a selected destination, such as system information, storage profile, migration status, services, accounts, and applied patches.

To View Destination Details

1. Click **Manage>Destinations**. The Destination Inventory window is displayed.
2. Select a destination in the list by clicking on the hostname or the IP column. The Destination Details window is displayed. V-Maestro displays when the destination was last seen at the top of the window.

The screenshot displays the VirtaMaestro web application interface. The browser address bar shows 'localhost/DestinationDetailed/2'. The page title is 'WIN-R2DHOLTSHT5' with a 'Last Seen: 1 minutes ago' timestamp. The main content area is divided into several sections:

- Destination System Information:**
 - IP Address: 10.0.103.209
 - OS: Windows 2019
 - Group: N/A
 - CPU: Intel(R) Core(TM) i5-8300
 - Source: + Assign
 - CPU @ 2.90GHz
 - Memory: 4.00 GB
- Storage Profile - 1 disks:**
 - 1 System Disk
 - 0 Storage Disks
 - System Disk: 70.6 GB Free / 99.5 GB
 - N/A
- Migrations Complete:** 0
- Migrations In-Progress:** 0
- Required Storage Profile to Dissolve VAA:** No dissolve information available

Below these panels is a table of services:

Service	Status	Start Type	User Name	Description
ActiveX Installer (AdmSvc)	Stopped	Disabled	LocalSystem	Provides User Account Control validation for the installation of ActiveX controls from the Internet and enables management of ActiveX control installation based on Group Policy settings. This service is started on demand and if disabled the installation of ActiveX controls will be unable according to default browser settings.
AIJoin Router Service	Stopped	Manual	NT AUTHORITY\LocalService	Routes AIJoin messages for the local AIJoin clients. If this service is stopped the AIJoin clients that do not have their own bundled routers will be unable to run.
App Readiness	Stopped	Manual	LocalSystem	Gets apps ready for use the first time a user signs in to this PC and when adding new apps.
Application Identity	Stopped	Manual	NT Authority\LocalService	Determines and verifies the identity of an application. Disabling this service will prevent AppLocker from being enforced.
Application Information	Stopped	Manual	LocalSystem	Facilitates the running of interactive applications with additional administrative privileges. If this service is stopped, users will be unable to launch applications with the additional administrative privileges they may require to perform desired user tasks.
Application Layer Gateway Service	Stopped	Manual	NT AUTHORITY\LocalService	Provides support for 3rd party protocol plug-ins for Internet Connection Sharing.

Claim	US 9,722,858 Claim Term	Analysis
		<p data-bbox="695 215 1976 245">(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314868022/Viewing+Destination+Details)</p> <h3 data-bbox="695 280 1087 326">Destination Actions</h3> <p data-bbox="695 354 1325 383">You can perform the following actions on a destination:</p> <ul data-bbox="695 415 1776 699" style="list-style-type: none"><li data-bbox="695 415 1776 444">• Run a pre-migration Audit to see whether the destination meets requirements for migration<li data-bbox="695 464 873 493">• Print details<li data-bbox="695 513 982 542">• Update the certificate<li data-bbox="695 561 1010 591">• Reinstall the destination<li data-bbox="695 610 1016 639">• RDP into the destination<li data-bbox="695 659 1136 699">• Unmap a destination from a source <p data-bbox="695 740 1976 769">(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314868022/Viewing+Destination+Details)</p> <p data-bbox="695 810 1986 951">The Accused Products provide “Audit Reports” “to determine that said at least one source infrastructure management component is appropriate for infrastructure configuration mapping to said target cloud infrastructure.” Below includes examples of “Audit Report Contents,” but such examples should not be viewed as exclusive or limiting.</p>

Step 1: Audit



Owned by Thomas Farley (Deactivated) ***
Last updated: Mar 30, 2022 • 1 min read

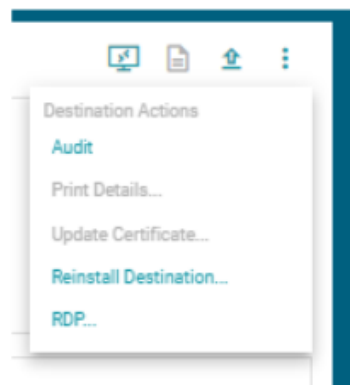
Now that you have destinations lined up, have monitored applications for a few days, and have migration candidates ready, you can start the migration process.

You will need a migration license to proceed.

To Start a Pre-Migration Audit

1. Click **Manage>Destinations**. The Destination Inventory window is displayed.
2. Select a destination in the list by clicking the **Host Source Name** link or by clicking **more actions>View Details** for the selected destination. The Destination Details window is displayed.
3. Click the Actions icon at the top and select **Audit**.

admin@virtamove.com



4. Click **Continue** to confirm.
5. If you haven't yet supplied a valid migration license, a message will indicate this. Click **OK** and click **Settings** in the **System** navigation menu on the left to do so. See [Managing V-Maestro License Keys](#) for more information.

The **Migrations In-Progress** card now displays the number of migrations in process and the operation in progress. The Progress column displays the progress toward completion in percentage. A migration icon now displays above the filter field.

Claim	US 9,722,858 Claim Term	Analysis
		(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314966328/Step+1+Audit)

Audit Report



Owned by Thomas Farley (Deactivated) ***
Mar 24, 2022 • 1 min read

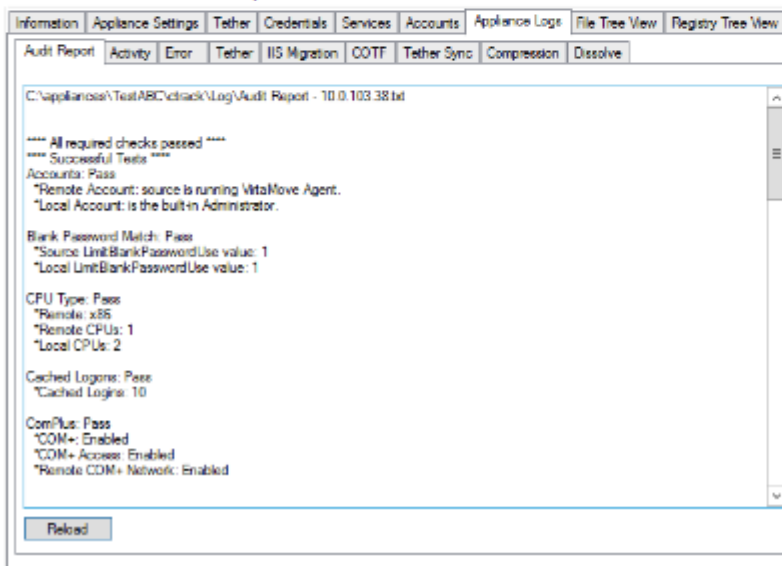
You can view the Audit Report, which is located as follows:

`C:\appliances\<Container>\ctrack\Log\Audit Report - <name>.txt`

You can also view it using the Administrative Console.

To View the Audit Report Using the Administrative Console

1. In the Administrative Console, select the container and then click the **Appliance Logs** tab.
2. Click the **Audit Report** tab. The Audit report is displayed.
3. To reload the Audit Report, click the **Reload** button.



Claim	US 9,722,858 Claim Term	Analysis
		(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/313917530/Audit+Report)

Claim	US 9,722,858 Claim Term	Analysis														
		<div><div><div><div><div><div></div><div>virtaaudit</div></div></div><div><div><div><div><div>TF</div><div>Owned by Thomas Farley (Deactivated) ***</div><div>Last updated: Mar 28, 2022 • 2 min read</div></div></div></div></div></div><div><p>This command checks whether the source and destination machines comply with application migration pre-requisites. Run this command before you migrate an application. Any issues are listed in the <code>Audit Report.txt</code> file located in the appliance folder.</p><p>If the Audit Report lists a problem or problems that will impede application migration, see Understanding Audit for guidance about how to resolve specific issues identified in the report.</p><p>Administrator privileges are required.</p></div><div><div>Syntax</div><div><div><div>1</div><div>virtaaudit <server username> <password /P> [/V] [/O outputDirectory]</div></div><div><div>1</div><div>virtaaudit <server> [/V] [/O outputDirectory]</div></div></div></div><div><div>Options</div><table><tr><th>Option</th><th>Description</th></tr><tr><td>server</td><td>The IP address or machine name of the source machine.</td></tr><tr><td>username</td><td>The user name of the Administrator account on the source machine.</td></tr><tr><td>password</td><td>The password of the Administrator account on the source machine.</td></tr><tr><td>/O OutputDirectory</td><td>Write the Audit Report file to the specified directory. Optional.</td></tr><tr><td>/V verbose</td><td>Write detailed error descriptions to the CLI. Optional.</td></tr><tr><td>/P hidePassword</td><td>Hide the password for the user. Optional.</td></tr></table></div></div></div>	Option	Description	server	The IP address or machine name of the source machine.	username	The user name of the Administrator account on the source machine.	password	The password of the Administrator account on the source machine.	/O OutputDirectory	Write the Audit Report file to the specified directory. Optional.	/V verbose	Write detailed error descriptions to the CLI. Optional.	/P hidePassword	Hide the password for the user. Optional.
Option	Description															
server	The IP address or machine name of the source machine.															
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/V verbose	Write detailed error descriptions to the CLI. Optional.															
/P hidePassword	Hide the password for the user. Optional.															

Claim	US 9,722,858 Claim Term	Analysis
		(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314212459/virtaaudit)


Understanding Audit




Owned by Thomas Farley (Deactivated) ***
Last updated: Apr 01, 2022 • 10 min read

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Claim	US 9,722,858 Claim Term	Analysis
		<p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit)</p> <h3>Firewall</h3> <p>This section indicates the firewall state of the three networking profiles (private, domain, public) on the destination and source machines. If the corresponding states differ between the two machines, a warning will be shown here.</p> <p>This section may display *Unknown* for the firewall state. This may occur because the source machine is running an older version of Windows Server (2003 or earlier), which has only one network profile.</p> <p>A firewall comparison tool is available if you want to compare firewall rule differences or troubleshoot firewall issues between the source and destination. See Comparing Group Policies between Source and Destination for more information.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#Firewall)</p> <h3>Comparing Firewall Rules</h3> <p> Owned by Thomas Farley (Deactivated) *** Last updated: Dec 04, 2022 • 2 min read</p> <p>Audit provides a warning about differences regarding the firewall enable state between the source and destination machine. A Compare Firewall Rules utility lets you compare rule differences.</p> <p>The utility is available only for Windows Server 2008 or later because earlier versions of the operating system do not feature additional firewall profiles.</p> <p>After you successfully run Audit, a firewall report is generated in the installation directory. For example:</p> <pre>1 C:\appliances\MyAppliance\ctrack\Log\AuditFirewall</pre>

Claim	US 9,722,858 Claim Term	Analysis
		<p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310739279/Comparing+Firewall+Rules)</p> <p>Disk Configuration Test</p> <p>This section provides information on how big the source machine and the destination machine drives are. A warning will be generated if the source machine drive is bigger than the destination machine drive.</p> <p>This section indicates whether the system drives match on the destination and source machines.</p> <p>If the system drives do not match, contact your system administrator.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#Disk-Configuration-Test)</p> <p>Group Policies</p> <p>This audit is not available on Windows 2000 or earlier. A group policy report will not be generated.</p> <p>The group policy section in the audit report indicates whether group policy information was successfully collected from the source and destination machines. If the audit was successful, then you can perform a group policy comparison using the ✖ https://virtamove.atlassian.net/wiki/spaces/VE/pages/309297809/Group+Policy+Comparison+Tool?search_id=8befec8f-bb8f-4f46-ac1d-6efb11f17c83 Can't find link from the Administrative Console. If the audit was not successful, the audit report will indicate why group policy information could not be collected.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#Group-Policies)</p>

Claim	US 9,722,858 Claim Term	Analysis
		<p data-bbox="703 212 1690 253">Comparing Group Policies between Source and Destination</p> <div data-bbox="703 289 1081 337">  Owned by Thomas Farley (Deactivated) *** Last updated: Dec 04, 2022 • 2 min read </div> <p data-bbox="703 375 1871 435">A Group Policy Comparison utility lets you compare rule differences regarding the group policies between the source and destination machine.</p> <p data-bbox="703 467 1283 492">The utility is available only for Windows Server 2003 or later.</p> <p data-bbox="703 521 1887 581">After you successfully run Audit, a group policy report is generated for supported platforms in the installation directory. For example:</p> <div data-bbox="703 605 1955 662"> <pre data-bbox="716 621 1344 646">1 C:\appliances\MyAppliance\ctrack\Log\AuditGroupPolicies\</pre> </div> <p data-bbox="688 716 1976 784"><u>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310707046/Comparing+Group+Policies+between+Source+and+Destination)</u></p> <p data-bbox="693 824 1050 865">Network Identity Cards</p> <p data-bbox="693 889 1801 914">This section indicates how many Network Identity Cards (NICs) are on the source and destination machine.</p> <p data-bbox="688 979 1986 1047"><u>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#Network-Identity-Cards)</u></p> <p data-bbox="699 1084 1497 1125">Mapping NICs between Source and Destination</p> <p data-bbox="699 1149 1887 1247">You can use COTF to add or remove NICs to match the number of NICs on the source machine, using selected NICs as COTF parameters. For example, the source machine might have more NICs than the destination. The parameters are stored in the <code>ipCOTF.xml</code> file in the <code>COTF</code> folder for the selected appliance.</p> <p data-bbox="699 1279 1965 1339">If there is a NIC mismatch, the Administrative Console will display a message. You can map the IP addresses manually if you need to correct the mismatch.</p>

Claim	US 9,722,858 Claim Term	Analysis
		(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/311263613/Config-on-the-Fly#Mapping-NICs-between-Source-and-Destination)

Claim	US 9,722,858 Claim Term	Analysis
		<p>Port</p> <p>This section of the report indicates the status of the required ports on the source machine.</p> <ul style="list-style-type: none"> • Check that there is connectivity end-to-end from the destination server to the source on port 445. This is a blocking issue if VirtaMove Source Agent is not being used and port 445 is not open. End-to-end means that the port is open at the Windows firewalls, at the cloud-instance firewalls, and at any perimeter firewalls between the two servers. If the use of port 445 is not permitted on the network or is a concern, use a virtual private network (VPN) to establish connectivity between the destination and source machines. • For IIS migrations, make sure that port 80 is open because it is required by Web Deploy. • For migrations that use VirtaMove Source Agent, make sure that port 9665 is open on the source machine. Port 9665 is required to establish a connection to the VirtaMove Source Agent on the source machine. Two inbound rules must be created on the source machine: one for the TCP and one for the UDP port (both 9665). See https://technet.microsoft.com/en-us/library/ms345310(v=sql.100).aspx for more information. <p>VirtaMove Source Agent communicates through TCP port number 9665 by default. You can configure the port number to a different number if required. See VirtaMove Source Agent for more information.</p> <p>If the Audit Report indicates that a required port is closed, makes sure that external nodes between the destination machine and the source machine also permit communication across these ports (port 445, 9665, etc.). For example, if you are migrating to an Amazon Web Services (AWS) managed cloud server, make sure that AWS also has these ports opened.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#Port)</p>

Assigning a Destination to a Source



Owned by Thomas Farley (Deactivated) ***
Mar 29, 2022 • 1 min read

You can assign a destination to a specific source machine.

To Assign a Destination to a Source

1. Click **Manage>Destinations**. The Destination Inventory window is displayed.
2. In the **Source Hostname** column, click **Assign**. The Assign a Source window is displayed.

Assign a Source

Please select a source machine to assign to this destination

Filter by OS Group, IP Address

Source HostName	IP Address	Machine Type	
bw2k3-2480	10.0.103.112	Virtual	Select
DEV-VMApache02	10.0.90.16	Virtual	Select
DEV-VMApache04	10.0.90.17	Virtual	Select
DEV-VMBITHAM8	10.0.90.26	Virtual	Select
DEV-VMBugfix1	10.0.90.27	Virtual	Select
DEV-VMBUGZILLA2	10.0.90.28	Virtual	Select
DEV-VMDev05	10.0.90.20	Virtual	Select
DEV-VMDRUPAL	10.0.90.38	Virtual	Select
DEV-VMOffice247	10.0.90.39	Virtual	Select
DEV-VMWeb02	10.0.90.29	Virtual	Select

Items per page: 10
1 of 2
< > >>

Cancel Continue

3. Select a source by clicking **Select**. You can scroll through the list of source hostnames if necessary or filter the list. Click **Continue**. A message displays whether the mapping was successful.
4. Click **Close**.

The source you mapped is now displayed in the **Source Hostname** column for the destination in the Destination Inventory window.

You can also assign a destination to a source from the Destination Details window or the Source Inventory page.

Claim	US 9,722,858 Claim Term	Analysis
		<p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314966212/Assigning+a+Destination+to+a+Source)</p> <p>Moreover, the Accused Products provide “[s]ophisticated reports and real-time data [to] provide deep insight on <i>migration candidates and priorities</i>, server profiles, security vulnerabilities, migration complexity assessment, and total estimated annual costs for cloud migrations.” VirtaMove’s software “can help you determine <i>which applications can and should be migrated, how complex a migration is likely to be, and the internal resources you’ll need to successfully migrate your applications.</i>”</p>


Claim	US 9,722,858 Claim Term	Analysis
		<p data-bbox="709 219 1222 418"><i>It Pays to Look Before You Leap into Application Migration</i></p> <p data-bbox="709 456 1234 630">VirtaMove's Intelligent application discovery and monitoring shines light on all servers and applications in your network.</p> <p data-bbox="709 675 1222 995">A clear picture removes assumptions, guesswork, and hidden costs from application migration or modernization plans. Sophisticated reports and real-time data provide deep insight on migration candidates and priorities, server profiles, security vulnerabilities, migration complexity assessment, and total estimated annual costs for cloud migrations.</p> <p data-bbox="709 1040 1192 1109">Smart data means you don't have to jump into application migration with a blindfold on.</p> <p data-bbox="693 1182 1407 1214">(https://virtamove.com/solutions/application-discovery/)</p>


Claim	US 9,722,858 Claim Term	Analysis
		<div data-bbox="695 224 1362 1209"><p>AI Driven Application Monitoring and Discovery</p><p>With deep data about your server and application profiles, you can achieve effective and optimized migrations that will yield high returns on your migration or modernization investments.</p><p>Avoid migrating unnecessary applications, eliminate technical pitfalls before, during, and after a migration, and remove best guesses in capacity planning so you don't over or under provision destination servers. Save time and cost from migration start to finish.</p></div> <p data-bbox="695 1247 1409 1279">(https://virtamove.com/solutions/application-discovery/)</p>

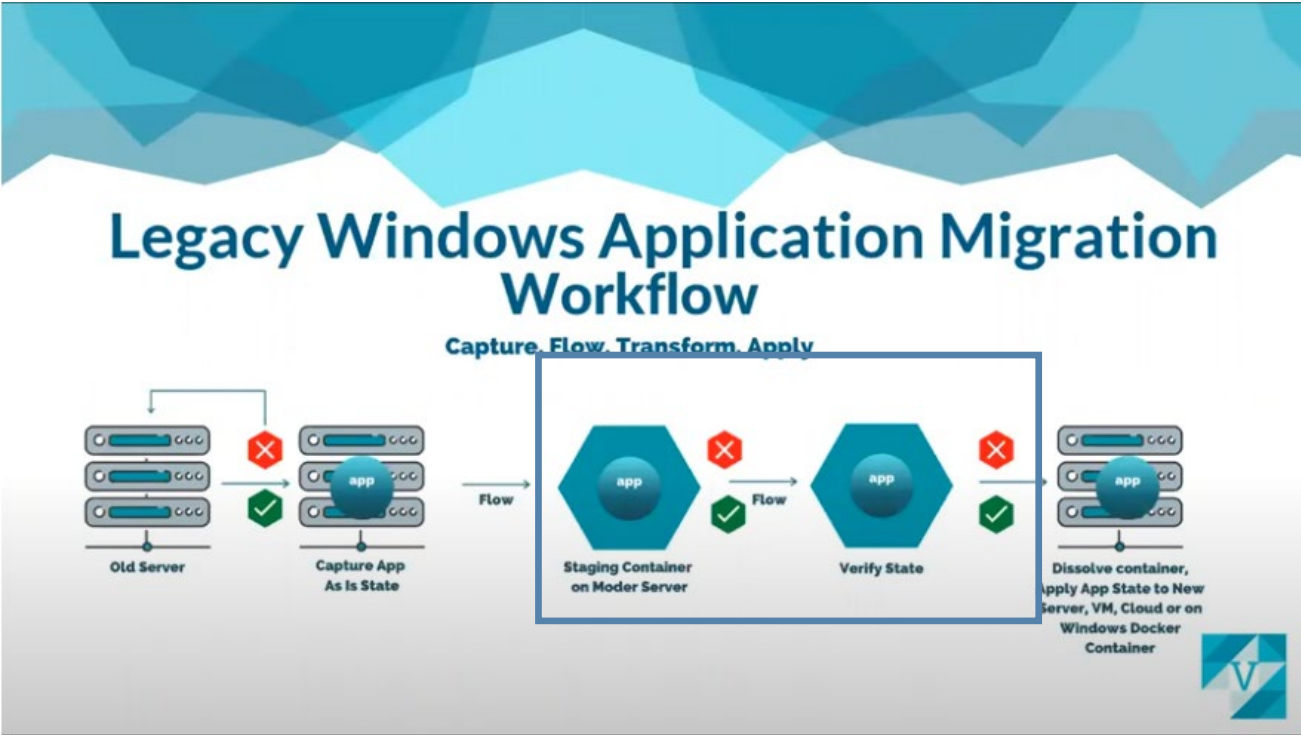
Claim	US 9,722,858 Claim Term	Analysis
		<div data-bbox="690 207 1661 919"><div data-bbox="701 259 1142 894"><p>APPLICATION DISCOVERY ›</p><p>VirtaMove's intelligent application monitoring and discovery removes assumptions and guesswork from application modernization plans and strategy.</p></div><div data-bbox="1184 259 1625 894"><p>MIGRATION STRATEGY ›</p><p>Sophisticated reports and real-time data provide a clear picture of migration candidates and priorities, server profiles, migration complexity scores, and total estimated annual costs for cloud migrations.</p></div></div> <p data-bbox="690 951 1125 992">(https://virtamove.com/solutions/)</p>

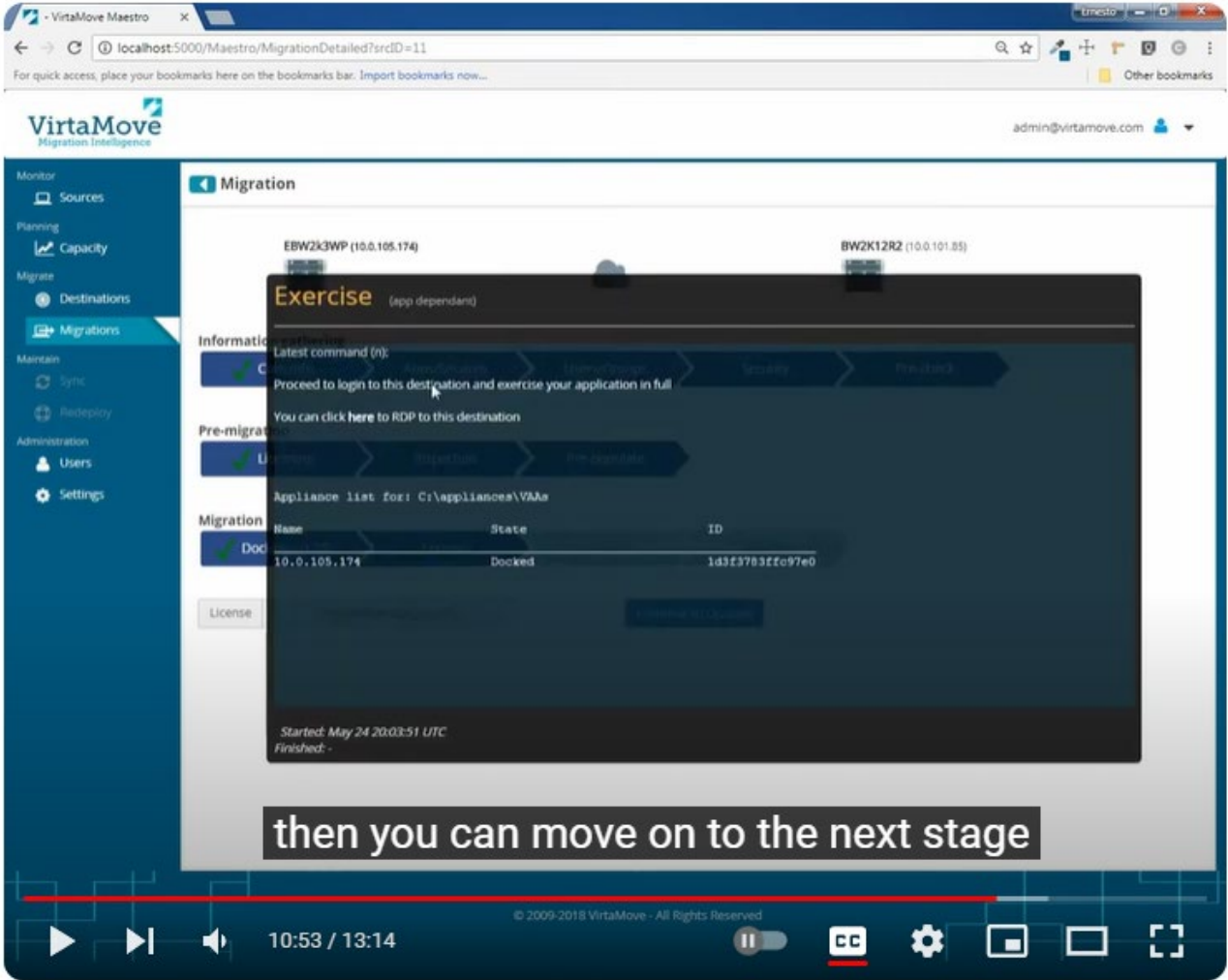
Claim	US 9,722,858 Claim Term	Analysis
		<div data-bbox="693 224 1371 1052"><p>Relearn Your Applications</p><p>A great migration plan starts with understanding your applications and partnering with a migration expert.</p><p>We'll help you select the right applications and remove guesswork from capacity planning so you don't over or under provision destination servers.</p><p>Leverage VirtaMove's expertise and migration assessment to achieve effective and optimized migrations that will yield high returns on your modernization investments.</p></div> <p data-bbox="693 1084 1371 1122">(https://virtamove.com/solutions/migration-strategy/)</p>

Claim	US 9,722,858 Claim Term	Analysis
		<p data-bbox="701 215 1360 370"><i>How Well Do You Know Your Server?</i></p> <p data-bbox="701 418 1283 630">Legacy servers can be difficult to migrate, harboring many unknown elements that can surface after a migration begins.</p> <p data-bbox="701 678 1346 1019">These technical pitfalls can significantly delay a migration and increase costs. Use VirtaMove's technology and expertise to steer your migration project to success, from strategy to completion. At VirtaMove we've migrated tens of thousands of servers across multiple platforms, on-prem or to the cloud.</p> <p data-bbox="701 1068 1346 1255">We can help you determine which applications can and should be migrated, how complex a migration is likely to be, and the internal resources you'll need to successfully migrate your applications.</p> <p data-bbox="701 1312 1367 1344">(https://virtamove.com/solutions/migration-strategy/)</p>

Claim	US 9,722,858 Claim Term	Analysis
		<p>Further evidence showing the Accused Products analyze configuration information of applications and underlying systems is found below.</p> <h3 data-bbox="699 321 976 362">Config-on-the-Fly</h3> <div data-bbox="699 394 1043 440">  Owned by Thomas Farley (Deactivated) *** Last updated: Mar 28, 2022 • 2 min read </div> <h4 data-bbox="699 472 867 493">Table of Contents</h4> <ul data-bbox="699 521 1155 651" style="list-style-type: none"> • Config-on-the-fly Files and Paths • Config-on-the-fly on Demand • Mapping NICs between Source and Destination • COTF Log <hr/> <p data-bbox="699 727 1759 857">Your container may contain configuration information from another system and this information may not be compatible with the current system. For example, you may need to change IP addresses or hostnames. You can use a Config-on-the-fly file (<i>StandardCOTF.xml</i>) to update the configuration information so that it works with the current system. You may need to update the settings in the configuration file with information from the current system.</p> <p data-bbox="699 881 1724 906">You specify the Config-on-the-fly file using the <code>virtapedit</code> command-line utility to update the following property:</p> <pre data-bbox="699 938 909 963">1 CPROP_CONFIG_FILE</pre> <p data-bbox="699 995 1755 1019">Container properties (for example, <code>CPROP_SRC_NODENAME</code>) can be used as arguments to the <code>CPROP_CONFIG_FILE</code> property.</p> <p data-bbox="699 1044 1050 1068">StandardCOTF.xml is located as follows:</p> <pre data-bbox="699 1101 1239 1125">1 C:\appliances\<ContainerName>\COTF\StandardCOTF.xml</pre> <p data-bbox="699 1157 1732 1222">You can have multiple COTF files in the COTF folder. For example, one file could be for replacing IP addresses and another one for replacing hostnames. V-Migrate will load the combined COTF information from the files in the folder.</p> <p data-bbox="699 1295 1829 1328">(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/311263613/Config-on-the-Fly)</p>

Claim	US 9,722,858 Claim Term	Analysis
		<p data-bbox="705 224 1050 264">Encryption Detection</p> <div data-bbox="705 302 1073 347"> Owned by Thomas Farley (Deactivated) *** Last updated: Mar 25, 2022 • 1 min read</div> <p data-bbox="705 386 1974 483">Your container may contain encrypted configuration information from the source machine that is not compatible with the information on the current machine. You can use the virtacryptdetect tool to log the paths of files and registry keys to help you determine which configuration information needs to be modified.</p> <p data-bbox="705 509 911 539">See also virtacotf.</p> <p data-bbox="693 597 1879 630"><u>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/311132174/Encryption+Detection)</u></p> <p data-bbox="693 667 1984 881">“V-Maestro can be thought of as an active CM BD, being able to tell us information about the applications on a server. There are a number of reports that can be made available for project managers and senior level managers. Reports can breakdown which servers are being monitored and how far along in the monitor process we are. <i>All the data can be generated into PDF reports that can be emailed to team members or management, and lets you right-size destination servers and do some capacity planning for an application and destination servers.</i>”</p>

Claim	US 9,722,858 Claim Term	Analysis
		<p>The Accused Products analyze “source infrastructure management component[s]” and “determine that said at least one source infrastructure management component is appropriate for infrastructure configuration mapping to said target cloud infrastructure” through during the migration process.</p> <p>“Because our solution is primarily installed on the destination server we have established <i>a staging container</i> and that staging container takes advantage of the modern operating system and it’s in that container that you have the ability to <i>verify that the copy of the application taken from the old source operating system functions properly in that new operating system.</i>”</p>  <p>The diagram illustrates the 'Legacy Windows Application Migration Workflow'. It begins with an 'Old Server' (represented by three server icons) which is used to 'Capture App As Is State' (represented by a single server icon with an 'app' circle). This step is marked with a red 'X' and a green checkmark. A 'Flow' arrow leads to a 'Staging Container on Moder Server' (represented by a hexagon with an 'app' circle). This step is also marked with a red 'X' and a green checkmark. Another 'Flow' arrow leads to a 'Verify State' step (represented by a hexagon with an 'app' circle), which is marked with a red 'X' and a green checkmark. Finally, a 'Flow' arrow leads to the final step: 'Dissolve container, apply App State to New Server, VM, Cloud or on Windows Docker Container' (represented by three server icons with an 'app' circle). This final step is marked with a red 'X' and a green checkmark. The entire workflow is titled 'Legacy Windows Application Migration Workflow' and includes the sub-header 'Capture. Flow. Transform. Apply'.</p> <p>(https://www.youtube.com/watch?v=hDb541Ax6xw)</p> <p>“Then you can move onto the next stage: user acceptance testing or the exercise phase. <i>In the exercise step, we move to the destination server and run the application through its bases and</i></p>

Claim	US 9,722,858 Claim Term	Analysis
		<p><i>confirm that everything is working as expected.</i> Once the application has passed its testing, we can push the application through the dissolve process to have it natively installed on the destination server.”</p> 

Claim	US 9,722,858 Claim Term	Analysis
		<p>(https://www.youtube.com/watch?v=nOIMUwHMvY0)</p> <p>Additional evidence showing VirtaMove's infringement is found in at least the following documents:</p>

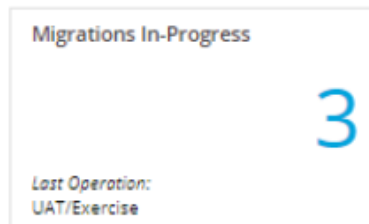
Step 3: Test the Application in the Container



Owned by Thomas Farley (Deactivated) ***
Mar 29, 2022 • 2 min read

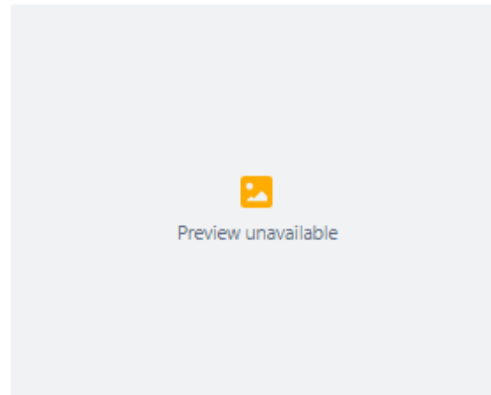
Once the migration container is prepopulated with the application and its dependencies, you can start testing the application in the container to make sure that it performs as expected. The Testing team will exercise the application, which means using all its features and functions so that V-Maestro is able to capture these elements in a complete migration template.

The testing team will RDP into the destination machine to start the application and perform the exercise operation.




To Test the Application

1. In the Destination Details window, click the Actions icon at the top and select **RDP**.



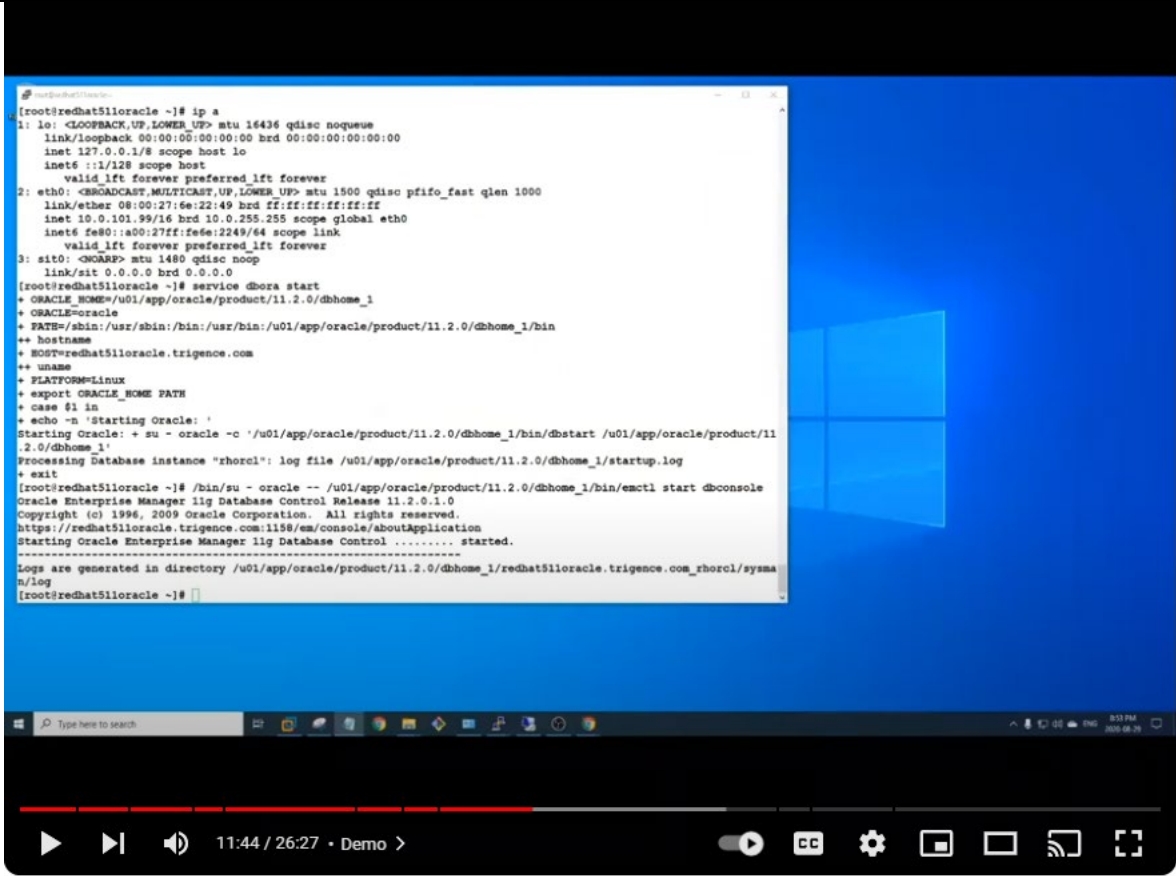
2. In the Remote Desktop Connection window, click **Connect**.
3. On the destination machine, open VirtaMove Administrative Console.
4. Select the container, then click the **Services** tab. Start required services and click **Save** if necessary.
5. When services have started, click **Run** to launch the application.
6. When the application starts, use the application features and functions as much as possible in order to obtain a complete migration template.








Claim	US 9,722,858 Claim Term	Analysis
		<p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314671696/Step+3%3A+Test+the+Application+in+the+Container)</p> <h2 data-bbox="703 321 1003 362">Testing Containers</h2> <div data-bbox="703 397 1066 443">  Owned by Thomas Farley (Deactivated) *** Last updated: Mar 28, 2022 • 2 min read </div> <h3 data-bbox="703 483 877 505">Table of Contents</h3> <ul data-bbox="703 532 1108 695" style="list-style-type: none"> • About Testing Containers <ul style="list-style-type: none"> ◦ Testing Requirements • Testing a Container • What If I Find Problems During Testing? <ul style="list-style-type: none"> ◦ To Delete and Recreate a Container <h2 data-bbox="703 764 1117 805">About Testing Containers</h2> <p data-bbox="703 829 1948 886">You can test a container to make sure that the appliance runs correctly. Testing a container may include testing container services, for example. Once you are satisfied that the container runs correctly, you can then move the appliance to the destination machine.</p> <p data-bbox="703 919 1482 940">You can test an appliance on either the source machine or the destination machine.</p> <h2 data-bbox="703 1008 999 1040">Testing Requirements</h2> <p data-bbox="703 1065 1965 1159">If you are testing on the destination machine, make sure that the environment is configured to meet the configuration requirements of the application or service in the appliance. For more information, see your application documentation for system configuration requirements.</p> <p data-bbox="703 1192 1961 1286">To avoid service conflicts where appliances with services from the source machine already exist on the destination, VirtaMove will display an error message and prevent the local service from starting. You must resolve this conflict by either removing the service from the destination or removing the service from the container.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314114051/Testing+Containers)</p>

The requirements for COM+ and DCOM are as follows.

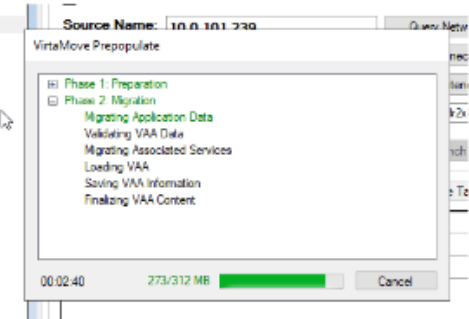
Requirement	Description
Registry key value <code>Com+Enabled</code>	<p>If the registry key value <code>Com+Enabled</code> in the <code>HKLM\SOFTWARE\Microsoft\COM3</code> registry key is set to 0 (disabled) on the source machine, attempts to connect from the destination machine to the source machine and list COM+ applications on the source machine will result in an error.</p> <p>If <code>Com+Enabled</code> is disabled on the destination machine, it will not be possible to list COM+ applications on the destination machine or install COM+ applications on the destination machine, which means that containers that have COM+ application packages will fail to dock.</p> <p>Additionally, if <code>RemoteAccessEnabled</code> is disabled on the source machine, attempts to connect from the destination machine to the source machine and list COM+ applications on the source machine will result in an error.</p>
Membership in the Distributed COM Users Group	The account used to perform the export (the account specified in the tether credentials) must be a member of the Distributed COM Users group on the source machine. Otherwise, the export will fail .
Configure your firewall to allow DCOM connections	<p>You may need to configure your firewall to allow DCOM connections. For information, see:</p> <p>How to Configure the Firewall to Allow DCOM Connections</p>
<code>AutoShareServer</code> and <code>LocalAccountTokenFilterPolicy</code> registry keys	<p>For less than Windows Server 2008</p> <p>The following key must be set to 1 or undefined:</p> <pre>1 Local SYSTEM\CurrentControlSet\Services\LanmanServer\Parameters\AutoShareServer</pre> <p>For Windows Server 2008 or higher</p> <p>The Remote Account must be the built-in Administrator (not just an Administrator), or the following key must be set to 1 on both the source and destination machine:</p> <pre>1 SOFTWARE\Microsoft\Windows\CurrentVersion\Policies\System\LocalAccountTokenFilterPolicy</pre>
<code>complusnetwork</code> registry key	<p>For Windows Server 2003 Source Machines</p> <p>To ensure that ViraMove can access COM/COM+ components related to your application, the Application Server Role must be installed and the following key must be enabled (set to 1) on the source server:</p> <pre>1 HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Setup\OC Manager\Subcomponents\compl</pre> <p>A reboot is not required after you change the value of this key.</p> <p>For Windows Server 2008 and Higher Source Machines</p> <p>For Windows Server 2008 and higher source machines, the <code>complusnetwork</code> key does not exist. However, port 135 must be open to allow ViraMove access to COM/COM+ components. For more information, see: https://technet.microsoft.com/en-us/library/cc731967(v=ws.11).aspx.</p>

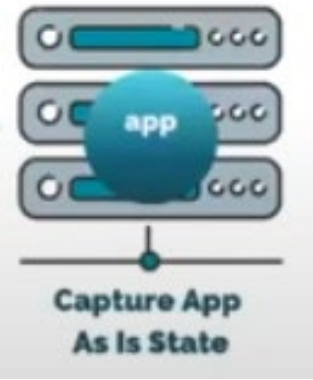
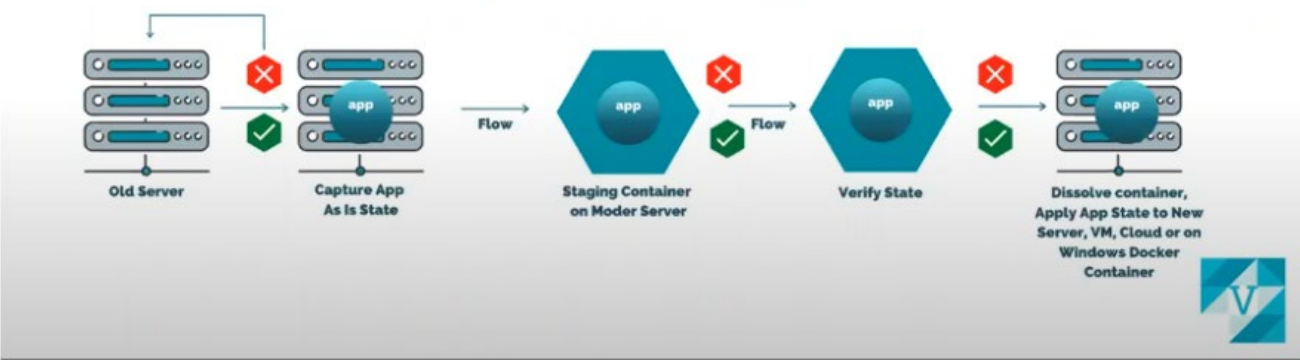
Claim	US 9,722,858 Claim Term	Analysis
		<p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310477173/COM+and+DCOM+Requirements)</p> <p>. Click the Source Services tab and review the remote services that were automatically selected for the container. Select services as appropriate.</p> <p>. Navigate to the Services tab at the top of the Administrative Console. Edit the User Name and Password for a service as appropriate. Note that you are setting a password only; VirtaMove does not validate a password against the original password associated with the source machine. You cannot edit passwords after you click Dock. Service User Names must be in the format domain\uid, where uid is the user identifier. This is a restriction of the Microsoft Win32 functions for working with the Service Control Manager (SCM), which is used by VirtaMove.</p> <ul style="list-style-type: none"> ◦ If you select a service and the service is "Started" on the source machine, tethering will not succeed. Stop the service before tethering by right-clicking the service and then selecting Stop Source Service. ◦ If you select a service and the service already exists on the underlying operating system, the Source Status column will display "CONFLICT". Resolve the conflict and then press F5 to refresh the list. ◦ If you hover over a service in the list, a tooltip will display which selected service, if any, requires this service. <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/311132184/Migrating+an+Application+Using+the+VirtaMove+Administrative+Console)</p>
1d	stopping an application executing on said at least one source infrastructure management component determined appropriate for infrastructure configuration mapping; and	<p>The Accused Products perform “stopping an application executing on said at least one source infrastructure management component determined appropriate for infrastructure configuration mapping.”</p> <p>The Accused Products “stop[] an application executing” on the source to prepare for migration.</p> <p>“We can also run simple queries to confirm that everything is running successfully on the Linux source server. At this point, our next step is to stop the services on the source server. This will assist with the successful migration to the Linux 81 destination server.”</p>


Claim	US 9,722,858 Claim Term	Analysis
		 <p>(https://www.youtube.com/watch?v=hDb541Ax6xw)</p> <p>The Accused Products allow for starting and stopping applications and source services.</p>



Claim	US 9,722,858 Claim Term	Analysis
		<p data-bbox="699 224 1398 261">Starting Applications You Want to Monitor</p> <div data-bbox="699 298 1071 347">  Owned by Thomas Farley (Deactivated) *** Mar 03, 2022 • 1 min read </div> <p data-bbox="699 383 1963 480">Once Source Monitor is enabled on the source machine, you can start the applications and services that are to be monitored. Source Monitor will track all the file system and registry paths accessed by these applications and services. The tracked paths are sent in real-time to the Source Agent, which in turn stores them in an SQLite database.</p> <p data-bbox="699 509 762 532">Note:</p> <p data-bbox="699 545 1955 568">If the applications or services were already started before Monitor is enabled, you must restart them after Source Monitor is enabled.</p> <p data-bbox="688 646 1984 714">(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/311329129/Starting+Applications+You+W ant+to+Monitor)</p> <div data-bbox="699 756 1018 802">       </div> <p data-bbox="1045 760 1787 789">These icons let you perform tasks for the source. From left to right:</p> <ul data-bbox="1050 821 1766 1049" style="list-style-type: none"> • View details about the applications on the source. • View details about active connections. • View, stop or start services associated with applications. • View users and groups, and migrate selected users or groups. • View Audit information for the source. <p data-bbox="688 1097 1913 1130">(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314671475/Viewing+Source+Details)</p>

Claim	US 9,722,858 Claim Term	Analysis
		<p>Source Services</p> <p>You can list installed services on the source machine and copy services from this list to the destination machine before you dock a container. This is useful if a service on the source machine was missing in the container when the container was created.</p> <p>When you get source services, a <i>cremotervices</i> file is created in the container folder. This XML file contains a list of services from the source machine.</p> <p>You can stop a service on the Source Services tab of the Administrative Console under the Tether tab.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310739395/Source+Information)</p> <p>11. Navigate to the Services tab at the top of the Administrative Console. Edit the User Name and Password for a service as appropriate. Note that you are setting a password only; VirtaMove does not validate a password against the original password associated with the source machine. You cannot edit passwords after you click Dock. Service User Names must be in the format domain\uid, where uid is the user identifier. This is a restriction of the Microsoft Win32 functions for working with the Service Control Manager (SCM), which is used by VirtaMove.</p> <ul style="list-style-type: none"> ◦ If you select a service and the service is "Started" on the source machine, tethering will not succeed. Stop the service before tethering by right-clicking the service and then selecting Stop Source Service. ◦ If you select a service and the service already exists on the underlying operating system, the Source Status column will display "CONFLICT". Resolve the conflict and then press F5 to refresh the list. ◦ If you hover over a service in the list, a tooltip will display which selected service, if any, requires this service. <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/311132184/Migrating+an+Application+Using+the+VirtaMove+Administrative+Console)</p>

Claim	US 9,722,858 Claim Term	Analysis
		<h3>Pre-Populate</h3> <p>Pre-populating a container is part of the VirtaMove application migration process. Pre-population migrates remote products, services, users, and groups without requiring downtime of the application on the source server. Any locked files will not be copied over until the application is fully exercised.</p> <p>Pre-populate captures components of the application while the application is up and running on the source server. You can then schedule a maintenance window at a later time for the application. It is during this maintenance window that you would stop and shut down the application before you complete the migration by exercising the application.</p> <p>Pre-populate occurs when you click the Pre-Populate button in the VirtaMove Administrative Console under the Tether tab. A window displays the status of the Pre-Populate process.</p>  <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310739347/The+Application+Migration+Process)</p>
1d	capturing said at least one source infrastructure management component determined appropriate for infrastructure configuration mapping for migration to said target cloud infrastructure.	<p>The Accused Products perform “capturing said at least one source infrastructure management component determined appropriate for infrastructure configuration mapping for migration to said target cloud infrastructure.”</p> <p>“We select the applications and the dependencies associated with that application and then <i>we take a stateful or an as-is state—a copy of the as is state of the particular applications and dependencies</i> that have been chosen and with that copy we <i>move that to the destination server.</i> ”</p>

Claim	US 9,722,858 Claim Term	Analysis
		 <p>Legacy Windows Application Migration Workflow</p> <p>Capture. Flow. Transform. Apply</p>  <pre> graph LR OldServer[Old Server] -- "Flow (Success)" --> CaptureApp[Capture App As Is State] OldServer -- "Flow (Failure)" --> CaptureApp CaptureApp -- "Flow" --> StagingContainer[Staging Container on Moder Server] StagingContainer -- "Flow (Success)" --> VerifyState[Verify State] StagingContainer -- "Flow (Failure)" --> VerifyState VerifyState -- "Flow (Success)" --> NewServer[Dissolve container, Apply App State to New Server, VM, Cloud or on Windows Docker Container] VerifyState -- "Flow (Failure)" --> NewServer </pre>

Claim	US 9,722,858 Claim Term	Analysis
		<p data-bbox="688 215 1371 248">https://www.youtube.com/watch?v=hDb541Ax6xw</p> <h3 data-bbox="705 297 1266 337">About VirtaMove Source Monitor</h3> <div data-bbox="705 375 1081 423"> Owned by Thomas Farley (Deactivated) *** Last updated: Mar 28, 2022 • 1 min read</div> <p data-bbox="705 459 1965 565">VirtaMove Source Monitor allows you to monitor how an application is running on a source machine over a period of time, usually several weeks. Monitoring provides you with a list of data, such as files and keys, so you can automatically capture and migrate this data to a destination machine, without having to manually exercise the application on the destination machine post migration.</p> <p data-bbox="705 589 1898 654">Source Monitor is a part of VirtaMove Source Agent and is installed when you install VirtaMove Source Agent on the source machine.</p> <p data-bbox="688 703 1986 776">https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/311230801/About+VirtaMove+Source+Monitor</p>

Claim	US 9,722,858 Claim Term	Analysis
		<div data-bbox="705 224 1100 272">Using Tether Sync </div> <div data-bbox="705 318 1136 370">  Owned by Thomas Farley (Deactivated) *** Last updated: Mar 28, 2022 • 4 min read </div> <div data-bbox="705 410 915 440">Table of Contents</div> <div data-bbox="705 472 1146 716"> <ul style="list-style-type: none"> • Update Mode • Reset Mode • What Gets Synced? <ul style="list-style-type: none"> ◦ To Use Tether Sync ◦ To Use Tether Sync Using the CLI • Tether Synch Log </div> <hr data-bbox="705 764 1803 769"/> <div data-bbox="705 821 1803 1065"> <p>Tether Sync allows a container to be populated with files and registry keys and then updated later. The Tether Sync feature is useful if you are not able to move some files (e.g., locked databases) right away but instead, need to wait for a service window. In a case like this, Tether Sync allows you to tether as much at the source as possible in advance and then re-connect later during a service window in order to finish the migration. Any new or different files/keys will be re-copied from the source, and files/keys that have been removed from the source will also be removed.</p> </div> <div data-bbox="705 1097 1772 1175"> <p>A container must be undocked to apply Tether Sync. An application will not start until the Tether Sync process is complete.</p> </div> <div data-bbox="705 1208 963 1237">Tether Sync modes are:</div> <div data-bbox="705 1269 827 1344"> <ul style="list-style-type: none"> • Update • Reset </div>

Claim	US 9,722,858 Claim Term	Analysis
		(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/311329719/Using+Tether+Sync)

What Gets Synced?

Tether Sync does not synchronize everything on the source machine to the destination machine. Only paths and keys that have previously been tethered will be checked against the source machine. Specifically, individual files that have been copied will be checked against the source machine as well as paths that were copied in entirety (greedy copied).

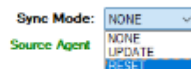
For example:

If you have a complete copy of "`\Program Files\SQL Server`" and you add directory "`\Program Files\SQL Server\some_folder`", then a sync operation will copy "`some_folder`" to the destination machine because the "`SQL Server`" folder was greedy copied. If you add "`\Program Files\some_other_folder`", it will not be copied because it is outside of the paths that were greedy copied.

To see which paths will be synced, see the `tether_greedy_roots.dat` file in the container folder. This file contains a list of paths that are meant to be synchronized with the source.

To Use Tether Sync

1. In the Administrative Console, select a container that was previously tethered, and then click the **Tether** tab.
2. Make sure the container is undocked. Click the **Undock** button if the container is docked.
3. Make sure that the **Use Tether** check box is enabled and that the credentials required to connect to the source machine are still valid.
4. In the **Sync Mode** field, select one of the following as appropriate:
 - o **None** - Do not sync.
 - o **Update** - Any files or keys that are newest will be copied. If you changed a file on both the source and destination machines, the newest file will be copied.
 - o **Reset** - Any files or keys which are different between the source and destination will be overwritten on the destination machine. Any files/keys which are new on the destination will **not be preserved. Not recommended for an IIS application migration.**



5. If Sync Mode is **Update** or **Reset**, click the **Sync Now** button.
6. If you selected **Reset**, read and respond to the warning message by clicking **Yes** or **No**.

When a container is syncing, its status will read "Syncing" until the process is complete. An application will not start until the Tether Sync process is complete.

Claim	US 9,722,858 Claim Term	Analysis
		https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/311329719/Using+Tether+Sync

Creating a Config-on-the-Fly File

You can use a Config-on-the-fly file to define how specific file/registry items being tethered to on the source machine will be configured on the destination machine. For example, you may need to replace source machine identification information (hostname, IP address, etc.) with the destination machine ID information. You can use the Config-on-the-fly file to accomplish this task.

You can specify the Config-on-the-fly file in the Admin Console by clicking the `COTF` button or using the following property with `virtapedit` command:

```
1 CPROP_CONFIG_FILE
```

You can:

- specify the paths to be configured and the actions to be taken for the particular path
- use container properties (for example, `CPROP_SRC_NODENAME`) as arguments when setting the `CPROP_CONFIG_FILE` property (for example, `virtapedit <path_to_appliance> CPROP_CONFIG_FILE "StandardCOTF.xml CPROP_SRC_NODENAME"`)
- use wildcards in the `TARGET` tag and the `EXCLUDE` tag of the COTF file to exclude specific files from rehosting

When you create a container, a Config-on-the-fly file is automatically created in the container's COTF folder:

```
1 COTF\StandardCOTF.xml
```

When you specify a path to be configured, VirtaMove supports paths that are relative to the container folder. That is, VirtaMove supports:

```
1 ".\COTF\StandardCOTF.xml"
```

or the absolute full path:

```
1 "C:\appliance\ContainerName\COTF\StandardCOTF.xml"
```


You can also specify only the file name of the COTF file if the file is in the `COTF` folder. For example:


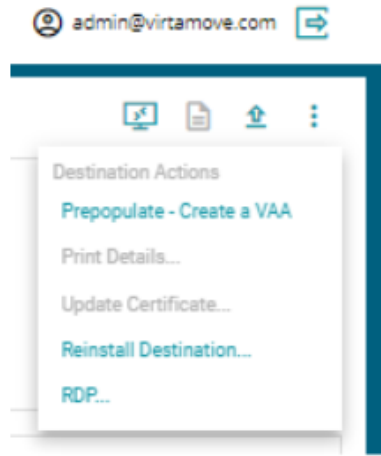
```
1 "StandardCOTF.xml"
```





If a container requires a custom Config-on-the-fly file, copy the file into the `COTF` folder of the container before you compress and move the container. You can then manually update the `CPROP_CONFIG_FILE` after you uncompress the container to make sure that it is set to the current location of the custom Config-on-the-fly file.

Claim	US 9,722,858 Claim Term	Analysis
		<p data-bbox="690 215 1934 280">https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/311460208/Creating+a+Config-on-the-Fly+File</p> <p data-bbox="690 318 1982 350">Additional evidence showing VirtaMove's infringement is found in at least the following documents:</p> <div data-bbox="690 381 1631 1019"><p data-bbox="728 436 1591 646">VirtaMove Migration Intelligence Suite helps you discover, monitor, capture, and move legacy applications using unique containerization software solutions.</p><p data-bbox="728 699 1610 987">Leverage virtual containers and automation to seamlessly move legacy applications to modern servers in new environments, on premise or in the Cloud, in a fraction of the time and cost compared to other migration approaches. Move only the applications and servers you need to move, where and when you need to move them, with no business disruption or downtime.</p></div> <p data-bbox="690 1053 1499 1086">https://virtamove.com/resources/virtualizing-windows-server/</p>

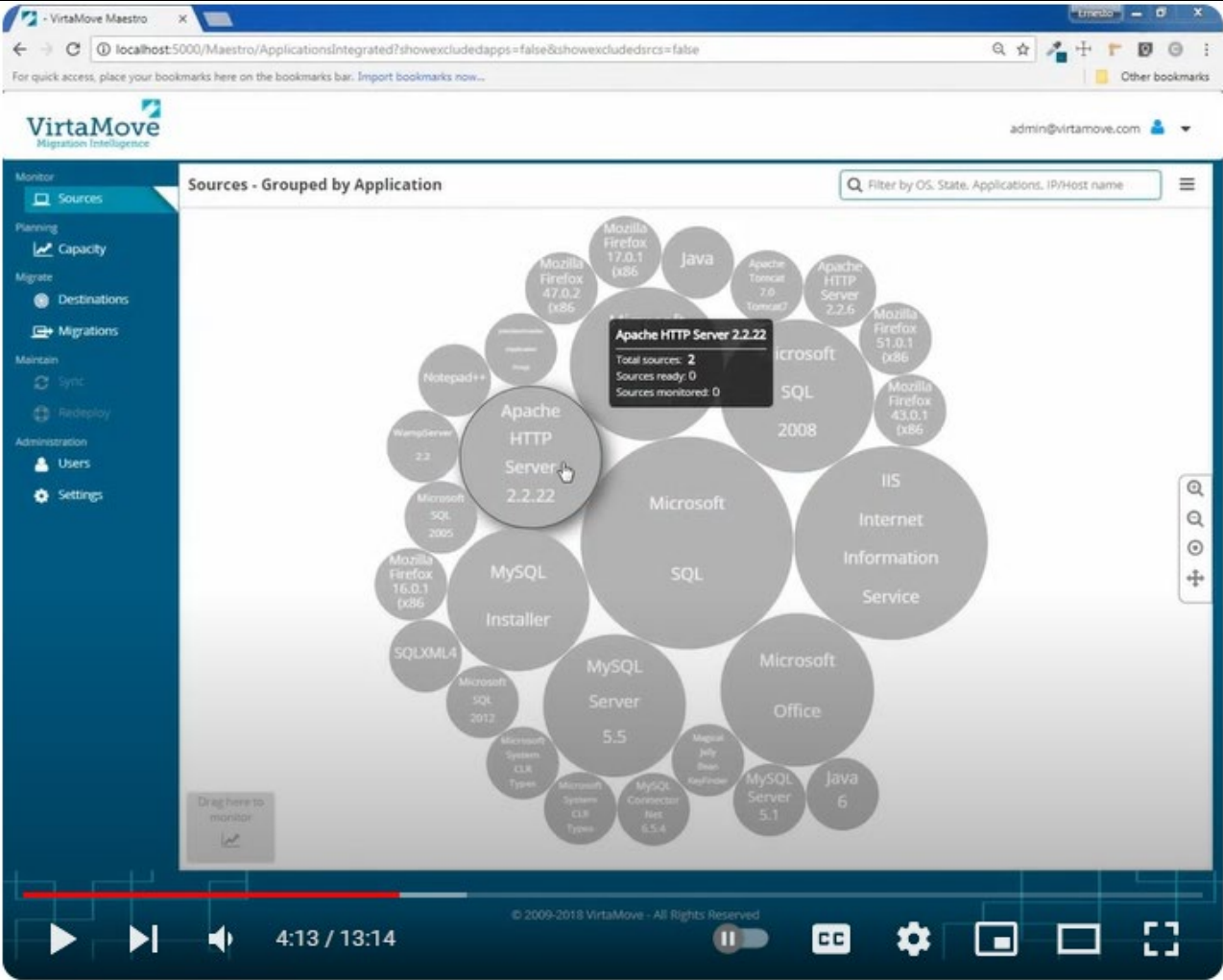
Claim	US 9,722,858 Claim Term	Analysis
		<div data-bbox="690 207 1438 1190"><p data-bbox="741 280 1293 415"><i>Why Choose VirtaMove Migration?</i></p><p data-bbox="741 464 1377 1133">VirtaMove's patented software captures applications in Virtual Machine-free and operating system-free moving containers. This means that VirtaMove technology can move even the most complex server applications to modern, supported operating systems in any environment and any cloud. Containers preserve application state and provide portability and flexibility, which mean agility and no cloud lock in.</p></div> <p data-bbox="690 1222 1386 1255">(https://virtamove.com/migration-software/v-migrate/)</p>

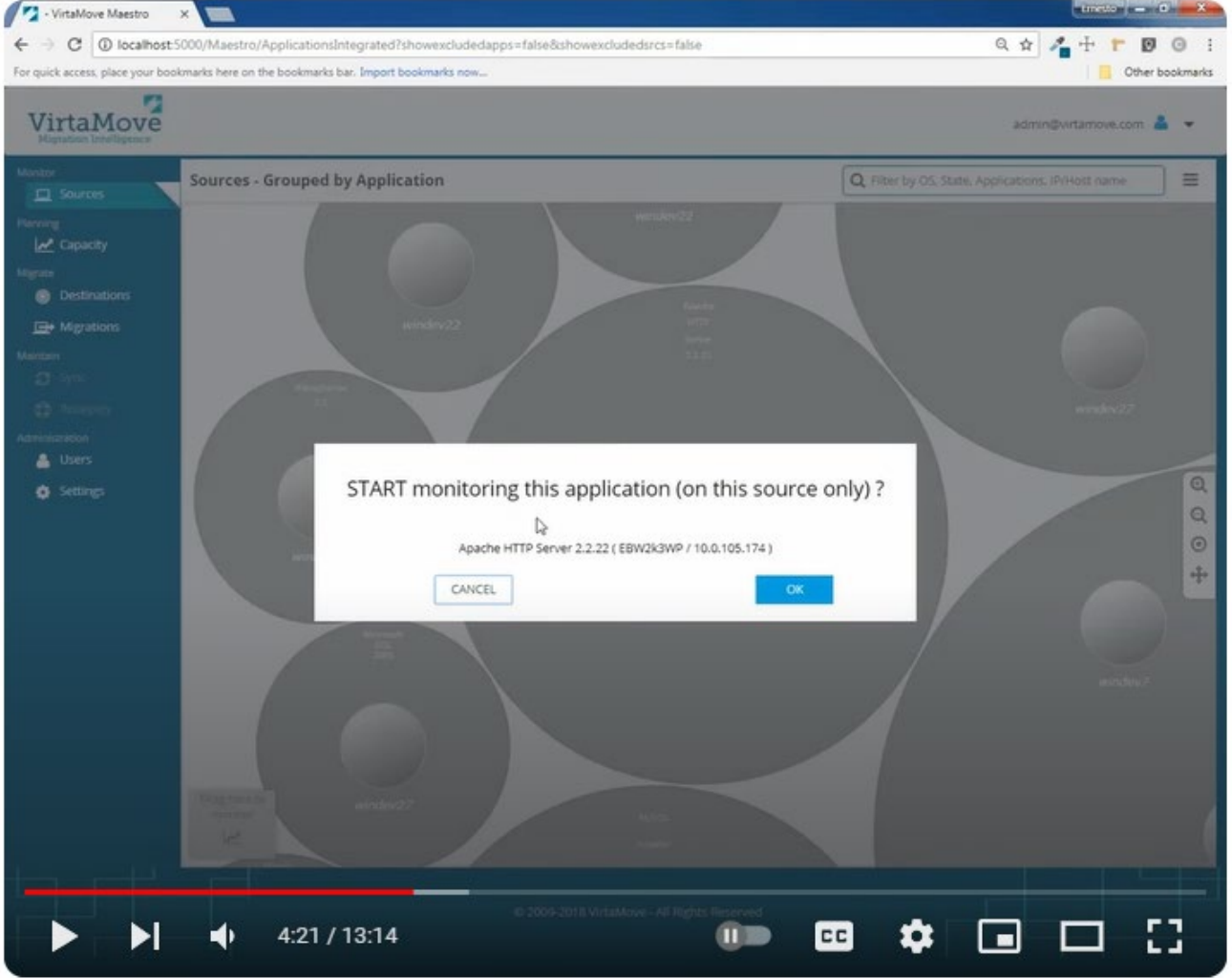
Claim	US 9,722,858 Claim Term	Analysis
		 <p>(https://virtamove.com/resources/an-intelligent-approach-to-migrating-server-applications/)</p>

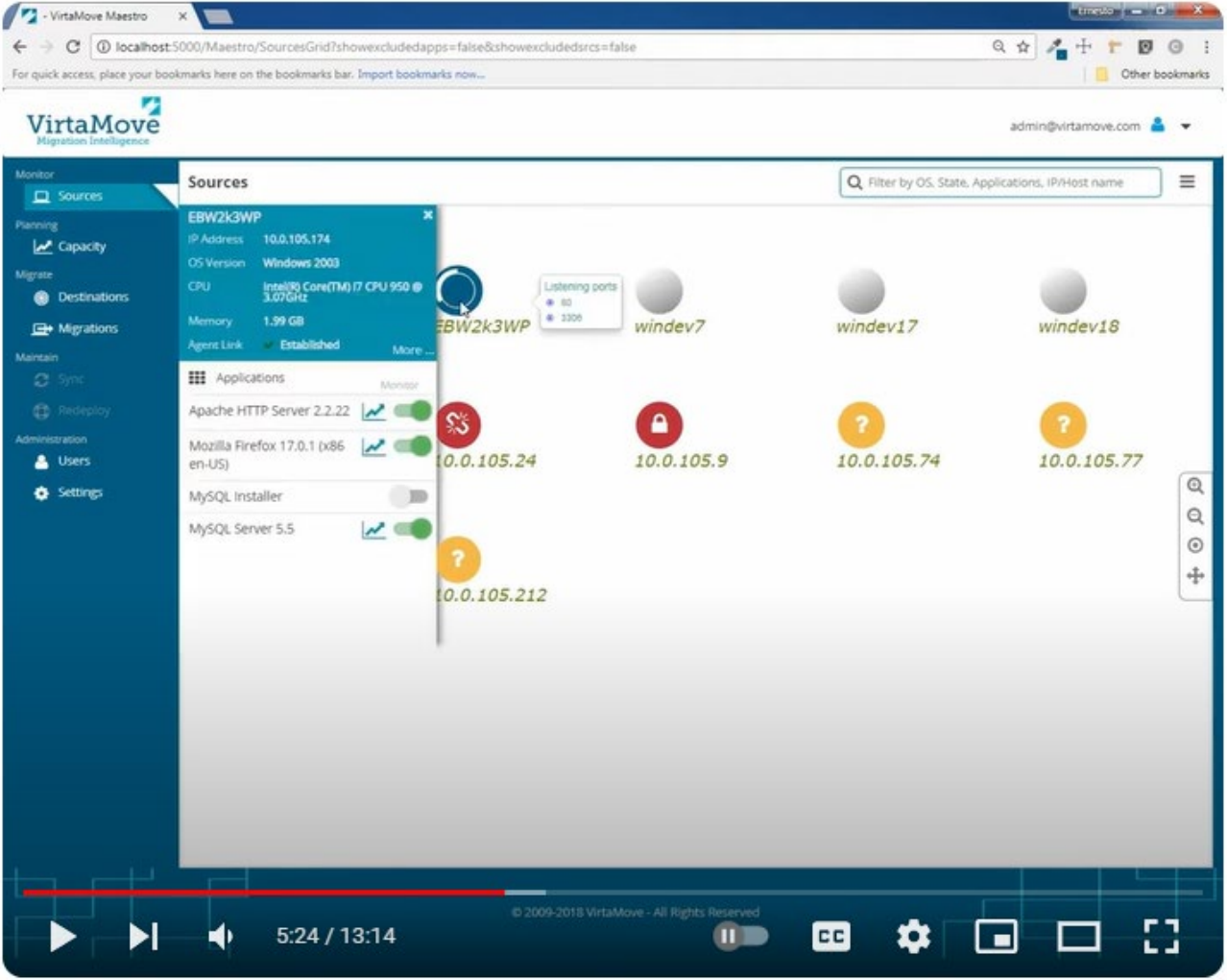
Claim	US 9,722,858 Claim Term	Analysis
		<p data-bbox="703 232 1245 272">Step 2: Prepopulate a Container</p> <div data-bbox="703 313 1085 362">  Owned by Thomas Farley (Deactivated) *** Mar 29, 2022 • 1 min read </div> <p data-bbox="703 397 1969 537">Once the pre-migration Audit is complete, you can create a migration container and populate it with the application and its dependencies. V-Maestro will copy all dependencies into the container, such as user and group accounts and COM objects. Once this step is complete, V-Maestro will dock the container, which registers the container onto the operating system of the destination.</p> <p data-bbox="703 610 1367 651">To Create and Prepopulate a Container</p> <p data-bbox="716 673 1787 699">1. In the Destination Details window, click the Actions icon at the top and select Prepopulate - Create a VAA.</p> <div data-bbox="730 722 1108 1174">  <p>The screenshot shows a user interface for 'admin@virtamove.com'. Below the header is a toolbar with icons for a monitor, a document, an upload arrow, and a vertical ellipsis. A dropdown menu titled 'Destination Actions' is open, listing the following options: 'Prepopulate - Create a VAA' (highlighted in blue), 'Print Details...', 'Update Certificate...', 'Reinstall Destination...', and 'RDP...'.</p> </div> <p data-bbox="716 1187 1923 1252">2. Click Continue to confirm. You can check Current Operation in the Migrations in-Progress card to see the status of the prepopulation process.</p> <p data-bbox="688 1336 1976 1409"><u>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314802710/Step+2+Prepopulate+a+Container)</u></p>

Claim	US 9,722,858 Claim Term	Analysis
		<p>Step 3: Test the Application in the Container</p> <p> Owned by Thomas Farley (Deactivated) *** Mar 29, 2022 • 2 min read</p> <p>Once the migration container is prepopulated with the application and its dependencies, you can start testing the application in the container to make sure that it performs as expected. The Testing team will exercise the application, which means using all its features and functions so that V-Maestro is able to capture these elements in a complete migration template.</p> <p>The testing team will RDP into the destination machine to start the application and perform the exercise operation.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314671696/Step+3+Test+the+Application+in+the+Container)</p> <p>What If I Find Problems During Testing?</p> <p>You can address testing issues by deleting a container and recreating the container, if necessary.</p> <p>To Delete and Recreate a Container</p> <ol style="list-style-type: none"> 1. Undock the container using the  <code>virtaundock</code> command. 2. Do one of the following: <ol style="list-style-type: none"> a. Create a backup copy of the container template. Delete the container and then make the necessary changes to the template and use the  <code>virtacreate</code>  command to recreate the container. b. Delete the container and start over. 3. Dock, start the container's services (if required), and run the container to confirm the changes have been made. <p>You can repeat any of these actions as often as required until a container satisfies your requirements.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314114051/Testing+Containers)</p>

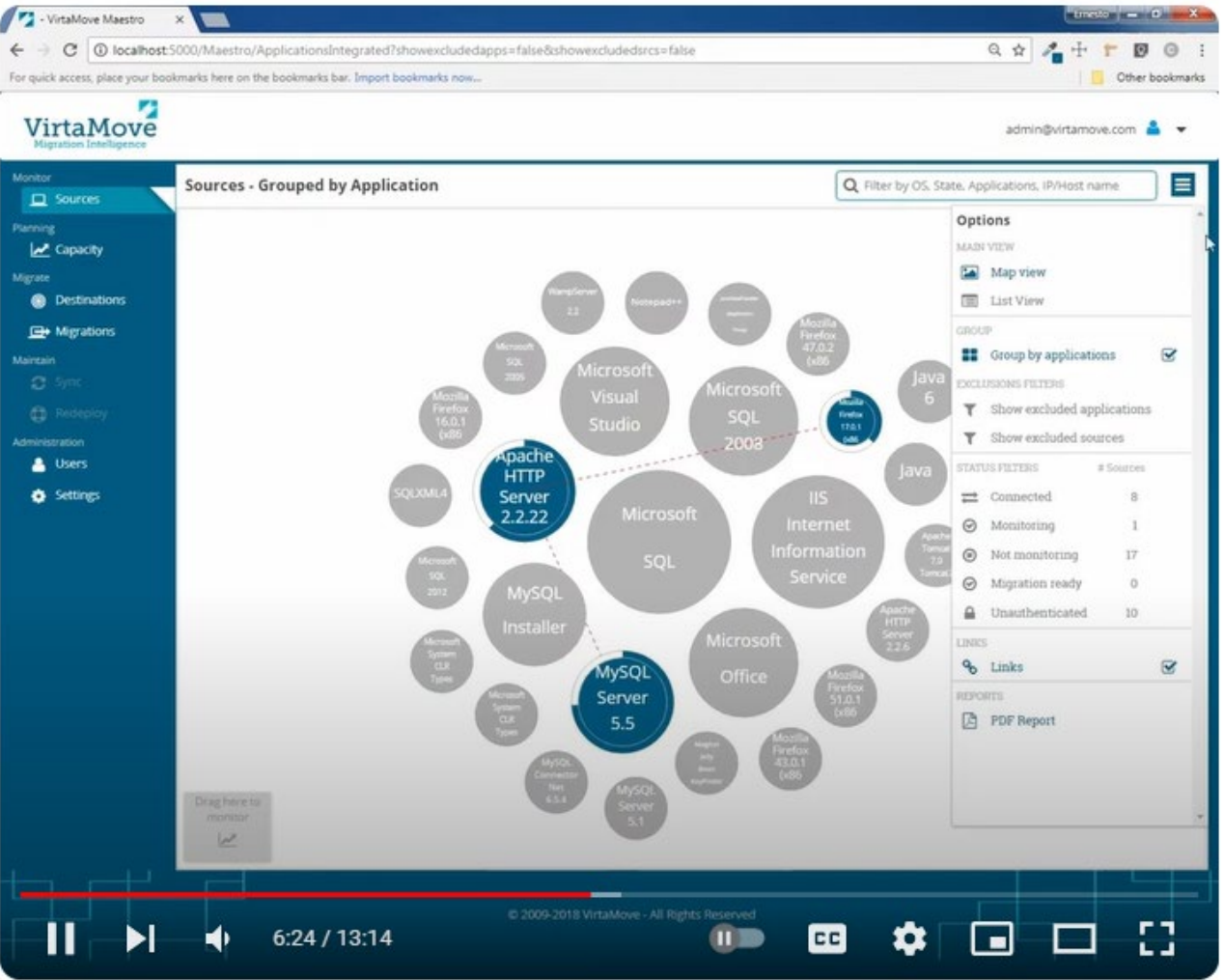
Claim	US 9,722,858 Claim Term	Analysis
2	<p>The non-transitory computer readable medium of claim 1, wherein, in said discovering step of said method, said at least one source infrastructure management component comprises at least one of:</p> <p>at least one source infrastructure management client;</p> <p>at least one source infrastructure management server;</p> <p>at least one source infrastructure management configuration; and</p> <p>at least one source infrastructure management log.</p>	<p>The Accused Products comprise a non-transitory computer readable medium as claimed in claim 1. <i>See</i> claim 1.</p> <p>The Accused Products comprise a non-transitory computer readable medium “wherein, in said discovering step of said method, said at least one source infrastructure management component comprises at least one of: at least one source infrastructure management client; at least one source infrastructure management server; at least one source infrastructure management configuration; and at least one source infrastructure management log.</p> <p>The Accused Products discover “source infrastructure management component[s]” such as clients, servers, configurations, and log files.</p>


Claim	US 9,722,858 Claim Term	Analysis
		 <p>The screenshot displays the VirtaMove Maestros web application interface. The browser address bar shows the URL: localhost:5000/Maestros/ApplicationsIntegrated?showexcludedapps=false&showexcludedsrcs=false. The application title is 'VirtaMove Migration Intelligence'. The user is logged in as 'admin@virtamove.com'. The main content area is titled 'Sources - Grouped by Application' and features a bubble chart. The chart shows various application sources, including Apache HTTP Server 2.2.22, Microsoft SQL Server 2008, Microsoft Office, MySQL Server 5.5, and others. A tooltip for 'Apache HTTP Server 2.2.22' is visible, showing 'Total sources: 2', 'Sources ready: 0', and 'Sources monitored: 0'. The left sidebar contains navigation links for Monitor, Planning, Migrate, Maintain, and Administration. The bottom of the screen shows a video player interface with a progress bar at 4:13 / 13:14 and copyright information: © 2009-2018 VirtaMove - All Rights Reserved.</p> <p>(https://www.youtube.com/watch?v=nOIMUwHMvY0&t)</p>


Claim	US 9,722,858 Claim Term	Analysis
		 <p>The screenshot displays the VirtaMove Maestro web application interface. The browser address bar shows the URL <code>localhost:5000/Maestro/ApplicationsIntegrated?showexcludedapps=false&showexcludedsrcs=false</code>. The page title is "VirtaMove Migration Intelligence". A sidebar on the left contains navigation links: Monitor, Planning, Capacity, Migrate, Destinations, Migrations, Monitor (repeated), Settings, Users, and Settings. The main content area is titled "Sources - Grouped by Application" and features a search bar with the placeholder text "Filter by OS, State, Applications, IP/Host name". Below the search bar, several circular icons represent different sources, including "window22", "Apache HTTP Server 2.2.22 (EBW2k3WP / 10.0.105.174)", and "window27". A modal dialog box is centered on the screen, asking "START monitoring this application (on this source only) ?" with "CANCEL" and "OK" buttons. The dialog box is positioned over the "Apache HTTP Server 2.2.22" source. At the bottom of the screenshot, a video player interface is visible, showing a progress bar at 4:21 / 13:14 and various control icons.</p> <p>(https://www.youtube.com/watch?v=nOlMUwHMvY0&t)</p>

Claim	US 9,722,858 Claim Term	Analysis
		 <p>(https://www.youtube.com/watch?v=nOIMUwHMvY0&t)</p> <p><i>“Your server may have external server dependencies that need to be taken into consideration. These are indicated by port connections and data flow of this dotted line. The dotted line tells us the servers are connected in some way. In this instance, it tells us they have a relationship and we should dig</i></p>

Claim	US 9,722,858 Claim Term	Analysis
		down to find out if these are the same applications or perhaps a back-end database service. <i>This is valuable information in terms of deciding when migrating one of these application layers, there may be a knock-on effect on additional servers and infrastructure layers. It lets you plan how to address multi-tier applications. You may need to move one, two or all three of the apps and servers at same time ... The dotted line might simply indicate desktop users or [there] may be other computers or servers that have database components associated with this application in some fashion.”</i>

Claim	US 9,722,858 Claim Term	Analysis
		 <p>The screenshot displays the VirtaMove Maestro web application. The main area shows a bubble chart titled 'Sources - Grouped by Application'. The bubbles represent different applications and their versions, such as Microsoft SQL, Visual Studio, IIS Internet Information Service, Office, MySQL Server 5.5, and Apache HTTP Server 2.2.22. A sidebar on the right contains various options and filters, including 'Map view', 'List View', 'Group by applications', 'Show excluded applications', 'Show excluded sources', 'Status filters', 'Connected', 'Monitoring', 'Not monitoring', 'Migration ready', 'Unauthenticated', 'Links', and 'PDF Report'. The bottom of the interface shows a video player with a progress bar at 6:24 / 13:14.</p> <p>(https://www.youtube.com/watch?v=nOIMUwHMvY0&t)</p>



Claim	US 9,722,858 Claim Term	Analysis
		<h2 data-bbox="709 228 1163 277">About Source Agents</h2> <div data-bbox="709 326 1188 386">  Owned by Thomas Farley (Deactivated) ... Last updated: Mar 30, 2022 • 1 min read </div> <p data-bbox="709 435 1955 565">In order for V-Maestro to discover and monitor applications that are running on the servers in your local network, a VirtaMove Source Agent must be installed on each of the source servers that you are interested in. For more information, see Installing Source Agents Manually.</p> <p data-bbox="709 602 1446 634">You can use the following methods to install Source Agents:</p> <ul data-bbox="716 667 1866 756" style="list-style-type: none"> • Manually – Installs Source Agents on one server at a time. • Remotely – Uses the V-Maestro interface to install Source Agents on all machines at once. <p data-bbox="709 862 1929 987">V-Maestro discovers all servers running on your local network that have a Source Agent installed. If you add a server machine that is running VirtaMove Source Agent, V-Maestro automatically establishes a connection to the source.</p> <p data-bbox="709 1029 785 1057">Note:</p> <p data-bbox="709 1078 1770 1110">In order for V-Maestro to discover and monitor sources, the security keys must match.</p> <p data-bbox="688 1175 1885 1208">https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314704014/About+Source+Agents</p>


Claim	US 9,722,858 Claim Term	Analysis
		<h2 data-bbox="722 212 1323 261">About Monitoring Applications</h2> <div data-bbox="722 305 1157 358"> Owned by Thomas Farley (Deactivated) *** Mar 29, 2022 • 1 min read</div> <p data-bbox="722 407 1696 651">Monitoring discovered sources and the applications they are running lets you collect data about how and when these applications are used, in real time. It also discovers application components and dependencies that you might not be aware of, and how application components might be distributed across a network. Monitoring reduces the amount of time required to exercise the application on the destination, which therefore minimizes the duration of the maintenance window.</p> <p data-bbox="722 691 1696 854">After monitoring selected applications for a few days, you can decide how best to move them to selected destinations, or whether to even move them at all if they don't appear to be a priority for migration based on usage data. For example, applications with a monitoring status of No Usage may not be usefully moved.</p> <p data-bbox="688 951 1976 1024"><u>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314802606/About+Monitoring+Applications)</u></p>

Claim	US 9,722,858 Claim Term	Analysis
		<div data-bbox="690 207 1661 919"><div data-bbox="701 259 1142 894"><p>APPLICATION DISCOVERY ›</p><p>VirtaMove's intelligent application monitoring and discovery removes assumptions and guesswork from application modernization plans and strategy.</p></div><div data-bbox="1184 259 1625 894"><p>MIGRATION STRATEGY ›</p><p>Sophisticated reports and real-time data provide a clear picture of migration candidates and priorities, server profiles, migration complexity scores, and total estimated annual costs for cloud migrations.</p></div></div> <p data-bbox="690 954 1125 990">(https://virtamove.com/solutions/)</p>

Claim	US 9,722,858 Claim Term	Analysis
		<div data-bbox="693 224 1371 1052"><p>Relearn Your Applications</p><p>A great migration plan starts with understanding your applications and partnering with a migration expert.</p><p>We'll help you select the right applications and remove guesswork from capacity planning so you don't over or under provision destination servers.</p><p>Leverage VirtaMove's expertise and migration assessment to achieve effective and optimized migrations that will yield high returns on your modernization investments.</p></div> <p data-bbox="693 1084 1371 1120">(https://virtamove.com/solutions/migration-strategy/)</p>

Claim	US 9,722,858 Claim Term	Analysis
		<p data-bbox="701 217 1360 370"><i>How Well Do You Know Your Server?</i></p> <p data-bbox="701 418 1283 630">Legacy servers can be difficult to migrate, harboring many unknown elements that can surface after a migration begins.</p> <p data-bbox="701 678 1346 1019">These technical pitfalls can significantly delay a migration and increase costs. Use VirtaMove's technology and expertise to steer your migration project to success, from strategy to completion. At VirtaMove we've migrated tens of thousands of servers across multiple platforms, on-prem or to the cloud.</p> <p data-bbox="701 1068 1346 1255">We can help you determine which applications can and should be migrated, how complex a migration is likely to be, and the internal resources you'll need to successfully migrate your applications.</p> <p data-bbox="701 1312 1367 1344">(https://virtamove.com/solutions/migration-strategy/)</p>

Claim	US 9,722,858 Claim Term	Analysis
		<h2 data-bbox="701 224 1024 266">Config-on-the-Fly</h2> <p data-bbox="701 305 1102 358">  Owned by Thomas Farley (Deactivated) *** Last updated: Mar 28, 2022 • 2 min read </p> <h3 data-bbox="701 394 896 418">Table of Contents</h3> <ul data-bbox="701 451 1232 602" style="list-style-type: none"> • Config-on-the-fly Files and Paths • Config-on-the-fly on Demand • Mapping NICs between Source and Destination • COTF Log <hr data-bbox="701 646 1940 649"/> <p data-bbox="701 695 1940 846">Your container may contain configuration information from another system and this information may not be compatible with the current system. For example, you may need to change IP addresses or hostnames. You can use a Config-on-the-fly file (<i>StandardCOTF.xml</i>) to update the configuration information so that it works with the current system. You may need to update the settings in the configuration file with information from the current system.</p> <p data-bbox="701 873 1898 906">You specify the Config-on-the-fly file using the  <code>virtapedit</code> command-line utility to update the following property:</p> <pre data-bbox="701 938 945 971">1 CPROP_CONFIG_FILE</pre> <p data-bbox="701 1008 1934 1040">Container properties (for example, <code>CPROP_SRC_NODENAME</code>) can be used as arguments to the <code>CPROP_CONFIG_FILE</code> property.</p> <p data-bbox="701 1068 1108 1092">StandardCOTF.xml is located as follows:</p> <pre data-bbox="701 1133 1329 1166">1 C:\appliances\<ContainerName>\COTF\StandardCOTF.xml</pre> <p data-bbox="701 1203 1906 1271">You can have multiple COTF files in the COTF folder. For example, one file could be for replacing IP addresses and another one for replacing hostnames. V-Migrate will load the combined COTF information from the files in the folder.</p> <p data-bbox="701 1352 1829 1385">https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/311263613/Config-on-the-Fly</p>

Claim	US 9,722,858 Claim Term	Analysis
		<h3 data-bbox="705 224 1050 264">Encryption Detection</h3> <div data-bbox="705 302 1075 347"> Owned by Thomas Farley (Deactivated) *** Last updated: Mar 25, 2022 • 1 min read</div> <p data-bbox="705 383 1974 483">Your container may contain encrypted configuration information from the source machine that is not compatible with the information on the current machine. You can use the virtacryptdetect tool to log the paths of files and registry keys to help you determine which configuration information needs to be modified.</p> <p data-bbox="705 508 911 537">See also virtacotf.</p> <p data-bbox="693 597 1873 630">https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/311132174/Encryption+Detection</p>

Managing Source Services

TF Owned by Thomas Farley (Deactivated) ***
Mar 03, 2022 • 2 min read

You can list installed services on the source machine and copy services from this list to the destination machine before you dock a container.

The Remote Registry service must be started on the source machine to allow remote users to modify registry settings on the computer and get source services.

Services that have already been added to a container appear gray in the **Source Services** list of the **Tether** tab.


If a user account corresponding to the login credentials of a selected service is bundled with a container, information from the account bundle associated with the service user as well as the user password will be imported automatically when the appliance is docked. If the user doesn't currently exist on the underlying operating system, the user will be created using the password displayed in the **Services** tab.

To Manage Source Services

1. Select the container for which you enabled Tether, and then click the **Tether** tab.
2. Run an Audit of the source and destination machine by clicking the **Run Audit** button. If credentials fail or pre-requisites have not been met for tethering, an error message is displayed at the bottom of the Administrative Console window. To scroll through messages, click the Back or Forward button on the left or right of the message bar. You can view the Audit Report by going to the **Appliance Logs** tab to determine what the problem is.
3. Click the **Find Applications** button. A list of services on the source machine is displayed in the **Source Services** tab.

Source Products Source Services Source Accounts Source COM Source Tasks						
Service Name	Display Name	Descrpt	User Name	Startup Type	Source Status	
<input type="checkbox"/> MDM	Machine Debug ..	Supp...	Local System	Automatic	Started	
<input type="checkbox"/> MSSQL\$SQLE...	SQL Server (SQL...	Prov...	Local System	Automatic	Started	
<input type="checkbox"/> MSSQLServerAD...	MSSQLServerAD...		Local System	Manual	Stopped	
<input type="checkbox"/> MSSQLServerAD...	SQL Active Direc...	Enab...	NT AUTHORITY...	Disabled	Stopped	
<input checked="" type="checkbox"/> MSSQLServerOL...	MSSQLServerOL...	Micro...	Local System	Automatic	Started	

4. Select or de-select a service or services in the **Source Services** list, and then click **Save** to copy the configuration of the selected services from the source machine to the destination machine. The selected services now appear on the **Services** tab for the container or are removed from the **Services** tab.
5. Click the **Services** tab.
6. In the **User Name** field, enter the name of the user that the service requires to run properly.
7. In the **Password** field, enter the password of the user you entered in step 5, and then click **Save**. Note that VirtaMove does not validate the password you enter against the original password on the source machine.
8. Click **Save**. Any new services are exported to the container. You can now dock and run the container.

Claim	US 9,722,858 Claim Term	Analysis
		<p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/311394775/Managing+Source+Services)</p> <h2 data-bbox="709 289 1060 329">Modifying Credentials</h2> <div data-bbox="709 365 1066 410">  Owned by Thomas Farley (Deactivated) ... Mar 03, 2022 • 1 min read </div> <p data-bbox="709 446 1864 505">You can modify the credentials required to connect to the source machine. For example, you can change the user name of the Administrator account.</p> <p data-bbox="709 532 1948 591">Before you make any changes, you must first make sure that any containers tethered to the source machine are undocked then log out of the current Windows session. You can then log back in and change the credentials.</p> <p data-bbox="709 618 1969 677">As a best practice, always test the connection to the remote machine by clicking the Test Connection button when you make changes to a container that has Tether enabled. If Tether is not successful, you will not be able to dock the container.</p> <h2 data-bbox="709 748 1619 789">To Modify Credentials to Connect to the Source Machine</h2> <ol data-bbox="720 808 1969 1149" style="list-style-type: none"> 1. Select a container, and then click the Tether tab. 2. If required, click the Use Tether check box to enable Tether. 3. In the User Name field, type the user name that represents the local administrator account on the source machine. 4. In the Password field, type the password of the user you specified above. 5. To test the connection to the remote machine, click the Test Connection button. If credentials fail or pre-requisites have not been met for tethering, an error message is displayed. You can view the Audit Report in the installation directory or by clicking Audit Report on the Appliance Logs tab to determine what the problem is. 6. Click Save. The configuration information is saved to the credential file. You will not be able to use the configuration information later if you do not click Save. <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/311329537/Modifying+Credentials)</p>

Migrating SQL Server Configuration Manager MMC



Owned by Thomas Farley (Deactivated) ***
Last updated: Mar 25, 2022 • 6 min read

Important:


- Before you migrate an application, complete the requirements listed in <https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310706978> Can't find link.

Note:

- Services will not be retrieved if communication with the source machine is interrupted during the tethering process. This may occur for a number of reasons; for example, if the firewall on the source machine is enabled while tethering is in progress. If services are not retrieved, try any of the following: disable the firewall on the source machine; make sure that the Remote Registry service is enabled on the source machine; make sure that the user credentials you specify to connect to the source machine are correct; check the [Tether log](#). Once you have identified the issue, connect to the source machine again.

To Migrate SQL Server Configuration Manager MMC

- Double-click the **Administrative Console** desktop shortcut icon on your desktop or click **Start>VirtaMove>Administrative Console**. VirtaMove Administrative Console opens.
- Click **Application>Create Empty VAA**. In the **VAA Name** field, enter the full path and name of the container you want to create. Spaces in the pathname are not permitted. For example, `C:\appliances\<container>`, where `<container>` is the name of the container. Click **OK**.
- Navigate to the **Tether** tab and check the **Use Tether** checkbox.
- In the **Source Name** field, specify the IP address or name of the source machine you want to connect to. Specify only an Administrator account.
 - Alternatively, click the **Query Network** button to display a list of machines on your network, and then select a machine and click **OK** to populate the **Source Name** field. If a source machine has a VirtaMove Source Agent installed on it, the **Remote Discovery** window will display **Yes** in the **Source Agent** column. You can sort the list by selecting a column heading to sort by. If you specified a source machine that has a Source Agent installed on it, the **User Name** field and the **Password** field are automatically filled in when you click away from the **Source Name** field. A green checkmark and "Source Agent" are displayed to the right of the **Source Name** field. Go to step 7.
 - If you did not specify a source machine with a Source Agent, go to step 5.
- In the **User Name** field, type the username of the local administrator account on the source machine you specified in the previous step. The default username is Administrator.
- In the **Password** field, type the password of the local administrator account on the source machine.
- Run an Audit of the source and destination machine by clicking the **Run Audit** button. If credentials fail or pre-requisites have not been met for tethering, an error message is displayed at the bottom of the Administrative Console window. To scroll through messages, click the Back or Forward button on the left or right of the message bar. You can view the Audit Report by going to the

8. Click the **Find Applications** button. VirtaMove retrieves all remote applications, services, and user/group account information and displays this information in the tabs in the bottom half of the Tether window.
9. In the **Source Products** tab, select the Microsoft SQL Server application packages. Also, select the packages for Visual Studio and Microsoft Office Web Components. When you click away from this tab, VirtaMove automatically selects all user/group accounts, services, and executables associated with the installed application and displays these in the **Source Services** and **Source Accounts** tabs.
10. Click the **Source Services** tab and review the remote services that were automatically selected for the container. Make note of the main SQL Server service name, e.g., *MSSQLSERVER* or *MSSQL\$EXPRESS*. Select any other services that may be related to your product if it is not already selected.
 - If you select a service and the service is "Started" on the source machine, tethering will not succeed. Stop the service before tethering by right-clicking the service and then selecting **Stop Source Service**.
 - If you select a service and the service already exists on the underlying operating system, the **Source Status** column will display "CONFLICT" and a message will be displayed in the message bar at the bottom of the Administrative Console window. Resolve the conflict and then press F5 to refresh the list.
11. Click the **Source Accounts** tab and review users and group accounts that have been selected and select other user and accounts that you think are required for your product. For example, you may need to select the user account `AnalysisServices`. If you select user accounts that do not correspond to a service, these accounts will be imported to the operating system of the destination machine with the default password `!password!` when you dock the container. VirtaMove recommends that you change the passwords of these accounts at the earliest opportunity. The password can be changed from the **Credentials** tab at the top of the Administrative Console. For more information about changing the default password to a different password if required, see [Default Password](#).
12. Optionally, specify a  **Config-on-the-Fly** (COTF) file.
 - **Standard** - By default VirtaMove loads the standard COTF file (`C:\appliances\<container name>\scripts\StandardCOTF.xml`) and passes to the file the source name you specified in step 3.
 - **Custom** - Select or specify a customized COTF file, for example: `MyCustomCOTF.xml`.

VirtaMove supports paths that are relative to the container folder. That is, VirtaMove supports:

```
1 ".\scripts\StandardCOTF.xml"
```

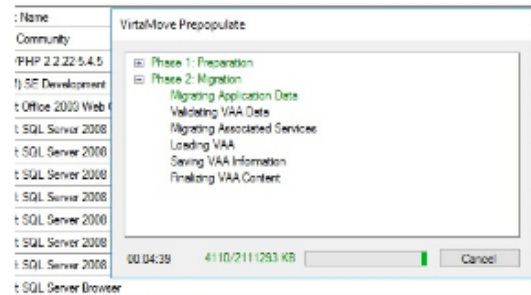
or the absolute full path:

```
1 "C:\appliance\ContainerName\scripts\MyCustomCOTF.xml"
```

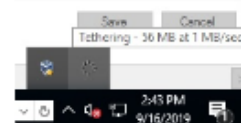
You can also specify only the file name of the COTF file if the file is in the scripts folder. For example:

```
1 "StandardCOTF.xml"
```

13. When you are ready, click the **Pre-Populate** button. If you have not yet activated your VirtaMove license key, you will now be prompted to do so. See [Activating Your VirtaMove License](#) for information. Note that the **Pre-Populate** portion process may take some time. A window displays the status of the Pre-Populate process and the amount of data copied. If you hover over the data moved in green, you can see the estimated time remaining. You can cancel the process by clicking **Cancel**.



At the Migrating application data stage of pre-populate, the Tether Monitor icon in the system tray will spin until the end of the process. If you hover over the spinning icon, a tooltip will show the file size transferred and the rate of transfer.



Click the **Close** button in the VirtaMove Pre-Population window to close the window when the process is complete.

14. Once the pre-population has been completed you can dock the container by clicking on the **Dock** button. Once docked, the tethering process will begin copying data across.
15. Once the container is docked, you can run the SQL rehosting scripts. Using a **regular command shell**, navigate to the `virtamove/Extras` folder. You will find the main script "`StartSQLRehost.bat`". Call it with arguments to the full path of the VAA, the SQL service name, and the SQL version. For example:

```
1 c:\program files\virtamove\extras\SQLServer\StartSQLReshost.bat "C:\appliances\SQL200VAA" MSSQLSERVER 2000
```

or:

```
1 c:\program files\virtamove\extras\SQLServer\StartSQLReshost.bat "C:\appliances\SQL2005VAA" MSSQLSERVER 2005
```

Note: If you are migrating Microsoft SQL Server 2008, SQL Server 2008 R2, or SQL Server 2005 Enterprise Edition or Standard Edition less than version SP4 on Windows Server 2012 R2, Windows may display a compatibility prompt. Select **Run the Program without getting help** and proceed with rehosting; the rehosting script will execute successfully.

16. On the **Services** tab in the Administrative Console, right-click the services and select **Start** to start services.
17. On the **Tether** tab, click the **Launch Application** button.
18. Navigate to the SQL applications you want to launch. Select SQL Server Configuration Manager MMC.

Claim	US 9,722,858 Claim Term	Analysis
		<p data-bbox="690 215 1990 280"><u>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/311230599/Migrating+SQL+Server+Configuration+Manager+MMC)</u></p> <p data-bbox="690 321 1990 427">The “Audit Report” compares configurations of the source and destination machines and/or servers, which necessarily requires “discovering.” Below includes examples of “Audit Report Contents,” but such examples should not be viewed as exclusive or limiting.</p>

Understanding Audit




Owned by Thomas Farley (Deactivated) ***


Last updated: Apr 01, 2022 • 10 min read

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Claim	US 9,722,858 Claim Term	Analysis
		<p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit)</p> <h3>Firewall</h3> <p>This section indicates the firewall state of the three networking profiles (private, domain, public) on the destination and source machines. If the corresponding states differ between the two machines, a warning will be shown here.</p> <p>This section may display *Unknown* for the firewall state. This may occur because the source machine is running an older version of Windows Server (2003 or earlier), which has only one network profile.</p> <p>A firewall comparison tool is available if you want to compare firewall rule differences or troubleshoot firewall issues between the source and destination. See Comparing Group Policies between Source and Destination for more information.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#Firewall)</p> <h3>Comparing Firewall Rules</h3> <p> Owned by Thomas Farley (Deactivated) *** Last updated: Dec 04, 2022 • 2 min read</p> <p>Audit provides a warning about differences regarding the firewall enable state between the source and destination machine. A Compare Firewall Rules utility lets you compare rule differences.</p> <p>The utility is available only for Windows Server 2008 or later because earlier versions of the operating system do not feature additional firewall profiles.</p> <p>After you successfully run Audit, a firewall report is generated in the installation directory. For example:</p> <pre>1 C:\appliances\MyAppliance\ctrack\Log\AuditFirewall</pre>

Claim	US 9,722,858 Claim Term	Analysis
		<p data-bbox="690 212 1948 245">(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310739279/Comparing+Firewall+Rules)</p> <p data-bbox="699 285 1062 323">Disk Configuration Test</p> <p data-bbox="699 350 1969 420">This section provides information on how big the source machine and the destination machine drives are. A warning will be generated if the source machine drive is bigger than the destination machine drive.</p> <p data-bbox="699 451 1713 479">This section indicates whether the system drives match on the destination and source machines.</p> <p data-bbox="699 509 1430 537">If the system drives do not match, contact your system administrator.</p> <p data-bbox="690 597 1948 667">(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#Disk-Configuration-Test)</p> <p data-bbox="699 716 926 753">Group Policies</p> <p data-bbox="699 781 1740 808">This audit is not available on Windows 2000 or earlier. A group policy report will not be generated.</p> <p data-bbox="699 839 1969 1036">The group policy section in the audit report indicates whether group policy information was successfully collected from the source and destination machines. If the audit was successful, then you can perform a group policy comparison using the https://virtamove.atlassian.net/wiki/spaces/VE/pages/309297809/Group+Policy+Comparison+Tool?search_id=8befec8f-bb8f-4f46-ac1d-6efb11f17c83 Can't find link from the Administrative Console. If the audit was not successful, the audit report will indicate why group policy information could not be collected.</p> <p data-bbox="690 1084 1969 1154">(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#Group-Policies)</p>

Claim	US 9,722,858 Claim Term	Analysis
		<h2 data-bbox="705 212 1688 253">Comparing Group Policies between Source and Destination</h2> <div data-bbox="705 289 1079 337"> Owned by Thomas Farley (Deactivated) *** Last updated: Dec 04, 2022 • 2 min read</div> <p data-bbox="705 375 1871 435">A Group Policy Comparison utility lets you compare rule differences regarding the group policies between the source and destination machine.</p> <p data-bbox="705 467 1283 492">The utility is available only for Windows Server 2003 or later.</p> <p data-bbox="705 521 1885 581">After you successfully run Audit, a group policy report is generated for supported platforms in the installation directory. For example:</p> <div data-bbox="705 605 1955 662"><pre data-bbox="716 621 1339 646">1 C:\appliances\MyAppliance\ctrack\Log\AuditGroupPolicies\</pre></div> <p data-bbox="693 716 1976 784">https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310707046/Comparing+Group+Policies+between+Source+and+Destination</p> <h3 data-bbox="705 854 850 886">OS Viable</h3> <p data-bbox="705 914 957 938">This is a blocking issue.</p> <p data-bbox="705 971 1969 1036">This section indicates whether the operating system version of the destination machine is equal to or greater than the source operating system version.</p> <p data-bbox="705 1068 1608 1092">If the versions of the operating systems are not viable, contact your system administrator.</p> <p data-bbox="693 1154 1923 1222">https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#OS-Viable</p>

Claim	US 9,722,858 Claim Term	Analysis
		<p>Port</p> <p>This section of the report indicates the status of the required ports on the source machine.</p> <ul style="list-style-type: none"> • Check that there is connectivity end-to-end from the destination server to the source on port 445. This is a blocking issue if VirtaMove Source Agent is not being used and port 445 is not open. End-to-end means that the port is open at the Windows firewalls, at the cloud-instance firewalls, and at any perimeter firewalls between the two servers. If the use of port 445 is not permitted on the network or is a concern, use a virtual private network (VPN) to establish connectivity between the destination and source machines. • For IIS migrations, make sure that port 80 is open because it is required by Web Deploy. • For migrations that use VirtaMove Source Agent, make sure that port 9665 is open on the source machine. Port 9665 is required to establish a connection to the VirtaMove Source Agent on the source machine. Two inbound rules must be created on the source machine: one for the TCP and one for the UDP port (both 9665). See https://technet.microsoft.com/en-us/library/ms345310(v=sql.100).aspx for more information. <p>VirtaMove Source Agent communicates through TCP port number 9665 by default. You can configure the port number to a different number if required. See VirtaMove Source Agent for more information.</p> <p>If the Audit Report indicates that a required port is closed, makes sure that external nodes between the destination machine and the source machine also permit communication across these ports (port 445, 9665, etc.). For example, if you are migrating to an Amazon Web Services (AWS) managed cloud server, make sure that AWS also has these ports opened.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#Port)</p>

Claim	US 9,722,858 Claim Term	Analysis
		<p>System Types</p> <p>This is a blocking issue.</p> <p>The operating systems of the destination and source machines must both be server operating systems.</p> <p>If the operating systems do not match (for example, one is a server and the other is a desktop system), contact your system administrator.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit)</p> <p>Additional evidence showing VirtaMove's infringement is found in at least the following documents:</p> <p>Viewing Log Files</p> <p> Owned by Thomas Farley (Deactivated) *** Mar 29, 2022 • 2 min read</p> <p>V-Maestro generates log files containing messages that record all types of events, including startup and shutdown information and error and warning messages. This topic describes how to view log files to assist in monitoring system activity and aid in diagnosing and fixing problems.</p> <p>Log files are located in the following location on the V-Maestro machine: <code>VirtaMove/Maestro/logs</code></p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314606288/Viewing+Log+Files)</p>

Viewing Logs and Error Messages



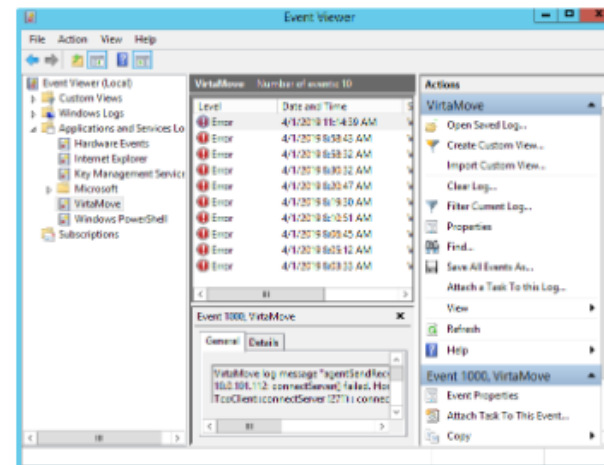
Owned by Thomas Farley (Deactivated) ***
Mar 24, 2022 • 2 min read

Logging settings are created in the Windows Registry when VirtaMove is installed:

`HKEY_LOCAL_MACHINE\SOFTWARE\VirtaMove Settings\Controller`

`LogProviders=EventLog;File;Console`

Error or debugging messages are output to the Windows Event Viewer, in the category VirtaMove. Click on a log in the Event Viewer to see more information about the log file.




In addition, Activity and Log messages for a container are saved in a text file located in the container `\ctrack` folder.

You can also view logs for a selected container in the **Appliance Logs** tab of the Administrative Console.






To View Logs for a Container

1. In the Administrative Console, select a container.
2. Click the **Appliance Logs** tab.
3. Click one of the following tabs:
 - Audit Report - to view the Audit Report for a container
 - Activity - to view activity logs
 - Error - to view error logs
 - Tether - to view Tether logs
 - IIS Migration - to view information relating to IIS application migration
 - COTF - to view a COTF log file
 - Tether Sync - to view information relating to Tether Sync
 - Compression - to view compression messages
 - Dissolve - to view a Dissolve report for a dissolved container
- If you selected Activity or Error logs, specify a date range, and then click **Load Logs**. Records are returned in the activity window.

Claim	US 9,722,858 Claim Term	Analysis
		<p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/313917483/Viewing+Logs+and+Error+Messages)</p>
3	<p>The non-transitory computer readable medium of claim 2, wherein said computer executable instructions further cause the computer to perform the additional method step of deriving a description of non-functional requirements of said source management infrastructure.</p>	<p>The Accused Products comprise a non-transitory computer readable medium as claimed in claim 2. <i>See</i> claim 2. The Accused Products comprise a non-transitory compute readable medium “wherein said computer executable instructions further cause the computer to perform the additional method step of deriving a description of non-functional requirements of said source management infrastructure.</p> <p>For example, “V-Maestro displays all the source machines discovered across the network and the ones to which it has successfully connected.”</p> <p>Viewing Your Source Inventory</p> <p> Owned by Thomas Farley (Deactivated) *** Last updated: Mar 29, 2022 • 3 min read</p> <p>Click Manage > Sources.</p> <p>In the Source Inventory window, V-Maestro displays all the source machines discovered across the network and the ones to which it has successfully connected. A green dot indicates that the connection is active.</p> <p>You can view:</p> <ul style="list-style-type: none"> • How many sources there are in the network and their connection status • Whether destination machines have been assigned or mapped to connected sources • View the status of discovered sources (whether they are discovered or being monitored) • Any Audit issues associated with sources • Whether any migrations are complete or associated with sources <p>You can filter or hide listed sources, delete sources, assign groups to sources, add new sources, and assign destinations to specific sources from the Source Inventory window. You can also view and export reports.</p>

Claim	US 9,722,858 Claim Term	Analysis
		<p data-bbox="688 215 1990 289">(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314867864/Viewing+Your+Source+Inventory)</p> <p data-bbox="688 318 1990 391">The Accused Products discover sources and provide detail information about each source, including both functional and non-functional requirements.</p>

The following table lists the elements in the Source Inventory window.

Item	Description
Active card	Displays the number of active (connected) sources.
No Assigned Destinations card	Displays the number of destination machines that have been assigned or mapped to active sources.
Audit Failed card	Displays the number of active sources that have Audit issues.
Migrations card	Displays the number of migrations completed.
Filter	Lets you filter the list of sources by OS, assigned group, or IP/hostname.
Source Hostname	Displays the Hostname of the source machine. A green dot indicates that the source machine is successfully connected. A red or amber dot indicates that V-Maestro discovered the source but can't connect to it.
IP Address	The IP address of the source.
Source OS	The OS of the source.
Destination Hostname	The hostname of the destination assigned to a source, if any are assigned at this time. You can click Assign in this column to assign one.
Destination IP Address	The IP address of the destination assigned to a source, if one is assigned at this time.
Status	The status of discovered sources: can be Discovered or Monitored.
	Click the more actions icon to perform more actions on a selected source. From top to bottom: <ul style="list-style-type: none"> • View details of a selected source. • Re-authenticate a selected source. • Reinstall the Source Agent on a selected source. • RDP to a selected source.
   	From left to right: <ul style="list-style-type: none"> • View applications installed on a selected source. • Assign a group to a selected source. • Hide a selected source from the view. • Delete a selected source.

Actions








You can perform the following actions for selected sources:

- Add a source
- View details about the source
- Re-authenticate or reinstall the Source Agent
- RDP into the source



Status

 Discovered 

 Source Actions
 View Details...
 Print Details...
 Re-authenticate...
 Update Agent Key...
 Reinstall Agent...
 RDP...

 Discovered 

 Discovered 

Claim	US 9,722,858 Claim Term	Analysis
		(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314867864/Viewing+Your+Source+Inventory)


Viewing Source Details [↗](#)

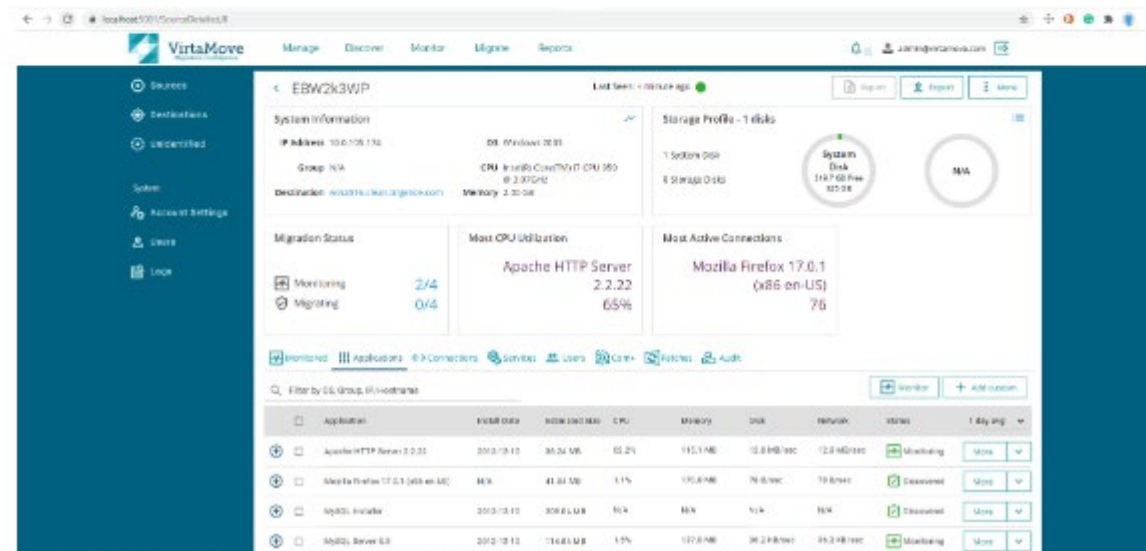
TF Owned by Thomas Farley (Deactivated) ***
Mar 29, 2022 • 3 min read

To View Source Details




1. Click **Manage>Sources**. The Sources Inventory window is displayed.
2. Select a source in the list by clicking the **Host Source Name** link or by clicking **more actions>View Details** for the selected source. The Source Details window is displayed.

The **Last Seen** field at the top of the details window indicates the last time V-Maestro was aware of the source.















Last Seen: < minute ago 











The following table lists the elements in the Source Details window.



Item	Description
System Information card	Displays information about the system of the source: <ul style="list-style-type: none"> • IP Address • OS • Any group assigned to the source • CPU • Destination. You can assign a destination by clicking Assign. • Memory
Storage Profile card	Displays the number of system disks and storage disks, and the amount of free disk space. Click the toggle icon in the top right of the panel to change the view.
Migration Status card	Displays the number of applications being monitored and in the process of migration.
Most CPU Utilization card	Displays the application on the source using the most CPU, in percentage.
Most Active Connections card	Displays the application on the source with the most active connections, and how many active connections.
Filter	Lets you filter the list of sources by OS, assigned group, or IP/hostname.
	Click the more actions icon to perform more actions on a selected source. From top to bottom: <ul style="list-style-type: none"> • View details of a selected source. • Re-authenticate a selected source. • Re-install the Source Agent on a selected source. • RDP to a selected source.
	These icons let you perform tasks for the source. From left to right: <ul style="list-style-type: none"> • View details about the applications on the source. • View details about active connections. • View, stop or start services associated with applications. • View users and groups, and migrate selected users or groups. • View Audit information for the source.
	These icons let you monitor a selected application in the application view. The migrate icon lets you migrate an application or user/group if it is ready to be moved.


Claim	US 9,722,858 Claim Term	Analysis																																																		
		<p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314671475/Viewing+Source+Details)</p> <h3>Using the Application Usage view</h3> <div><div>TF</div><div>Owned by Thomas Farley (Deactivated) *** Mar 29, 2022 • 3 min read</div></div> <p>The Application Usage view of the Source Details window displays a list of the applications that are running on the source, and details about each application.</p> <h3>To View Application Usage Information on a Source</h3> <ol style="list-style-type: none">1. Click Manage>Sources. The Source Inventory windows displays.2. Select an active source. The Source Details window displays.3. Click the Application Usage icon in the Source Details window. <p>The following table describes the information listed on the Application Usage view of the Source Details window.</p> <div><div><div>← → ↻ localhost:9001/SourceDetails/0</div><div><div><div><div><div><div></div><div>VirtaMove</div><div>Migration Intelligence</div></div><div><div>Manage</div><div>Discover</div><div>Monitor</div><div>Migrate</div><div>Reports</div></div><div><div>🔔</div><div>admin@virtamove.com</div><div>🔗</div></div></div></div><div><div><div>Sources</div><div>Destinations</div><div>Unidentified</div><div>System</div><div>Account Settings</div><div>Users</div><div>Logs</div></div><div><div>< EBW2k3WP</div><div>Last Seen: < minute ago</div><div>📄 Report</div><div>📄 Export</div><div>⋮ More</div></div><div><div><div><div>System Information</div><div>IP Address 10.0.105.174</div><div>Group N/A</div><div>Destination win2016-clean.trigence.com</div></div><div><div>OS Windows 2003</div><div>CPU Intel(R) Core(TM) i7 CPU 950 @ 3.07GHz</div><div>Memory 2.00 GB</div></div><div><div>Storage Profile - 1 disks</div><div>1 System Disk</div><div>0 Storage Disks</div></div></div><div><div><div>Migration Status</div><div>Monitoring 2/4</div><div>Migrating 0/4</div></div><div><div>Most CPU Utilization</div><div>Apache HTTP Server 2.2.22 65%</div></div><div><div>Most Active Connections</div><div>Mozilla Firefox 17.0.1 (x86 en-US) 76</div></div></div><div><div>🔍 Filter by OS, Group, IP/Hostname</div><div>📄 Monitor</div><div>+ Add custom</div></div><table><thead><tr><th><input type="checkbox"/></th><th>Application</th><th>Install Date</th><th>Estimated Size</th><th>CPU</th><th>Memory</th><th>Disk</th><th>Network</th><th>Status</th><th>1 day avg</th></tr></thead><tbody><tr><td><input type="checkbox"/></td><td>Apache HTTP Server 2.2.22</td><td>2012-12-10</td><td>35.34 MB</td><td>62.2%</td><td>115.1 MB</td><td>12.8 MB/sec</td><td>12.8 MB/sec</td><td>🟢 Monitoring</td><td>More ▾</td></tr><tr><td><input type="checkbox"/></td><td>Mozilla Firefox 17.0.1 (x86 en-US)</td><td>N/A</td><td>41.84 MB</td><td>1.1%</td><td>170.0 MB</td><td>70 B/sec</td><td>70 B/sec</td><td>🟢 Discovered</td><td>More ▾</td></tr><tr><td><input type="checkbox"/></td><td>MySQL Installer</td><td>2012-12-10</td><td>209.04 MB</td><td>N/A</td><td>N/A</td><td>N/A</td><td>N/A</td><td>🟢 Discovered</td><td>More ▾</td></tr><tr><td><input type="checkbox"/></td><td>MySQL Server 5.5</td><td>2012-12-10</td><td>114.84 MB</td><td>1.9%</td><td>197.0 MB</td><td>36.2 KB/sec</td><td>36.2 KB/sec</td><td>🟢 Monitoring</td><td>More ▾</td></tr></tbody></table></div></div></div></div></div></div>	<input type="checkbox"/>	Application	Install Date	Estimated Size	CPU	Memory	Disk	Network	Status	1 day avg	<input type="checkbox"/>	Apache HTTP Server 2.2.22	2012-12-10	35.34 MB	62.2%	115.1 MB	12.8 MB/sec	12.8 MB/sec	🟢 Monitoring	More ▾	<input type="checkbox"/>	Mozilla Firefox 17.0.1 (x86 en-US)	N/A	41.84 MB	1.1%	170.0 MB	70 B/sec	70 B/sec	🟢 Discovered	More ▾	<input type="checkbox"/>	MySQL Installer	2012-12-10	209.04 MB	N/A	N/A	N/A	N/A	🟢 Discovered	More ▾	<input type="checkbox"/>	MySQL Server 5.5	2012-12-10	114.84 MB	1.9%	197.0 MB	36.2 KB/sec	36.2 KB/sec	🟢 Monitoring	More ▾
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Claim	US 9,722,858 Claim Term	Analysis																					
		<p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314802480/Using+the+Application+Usage+view)</p> <h3>Using the Active Connections view</h3> <p> Owned by Thomas Farley (Deactivated) *** Mar 29, 2022 • 2 min read</p> <p>The Active Connections view of the Source Details window displays a list of the applications that have active connections on the source, and details about each connection, such as port number being used.</p> <p>To View Active Connections on a Source</p> <ol style="list-style-type: none">1. Click Manage>Sources. The Source Inventory windows displays.2. Select an active source. The Source Details window displays.3. Click the Active Connections icon in the Source Details window.4. Do one of the following:<ul style="list-style-type: none">◦ Click the icon on the top left to view a list of active incoming and outgoing connections for applications being monitored.◦ Click the ARP icon on the top right to view Address Resolution Protocol (ARP) information for peripherals that the source machine has connected to. <div><div></div><div><div>Filter by OS, Group, IP/Hostname</div><div> ARP</div></div><table><thead><tr><th>Application</th><th>Hostname</th><th>IP Address</th><th>Port</th><th>Direction</th><th>Timestamp</th><th>Agent</th></tr></thead><tbody><tr><td>Apache HTTP Server 2.2.2</td><td>EBW2k3WP</td><td>INADDR_ANY</td><td>80</td><td> Bound</td><td>2021-01-22</td><td>--</td></tr><tr><td>MySQL Server 5.5</td><td>EBW2k3WP</td><td>INADDR_ANY</td><td>3306</td><td> Bound</td><td>2021-01-22</td><td>--</td></tr></tbody></table><div>Items per page: 10 ▾<div>Last Update: < minute ago</div><div>1 of 1 <<>> </div></div></div>	Application	Hostname	IP Address	Port	Direction	Timestamp	Agent	Apache HTTP Server 2.2.2	EBW2k3WP	INADDR_ANY	80	 Bound	2021-01-22	--	MySQL Server 5.5	EBW2k3WP	INADDR_ANY	3306	 Bound	2021-01-22	--
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Claim	US 9,722,858 Claim Term	Analysis																																		
		<p>The following table describes the information listed on the Active Connections view of the Source Details window.</p> <table><tr><th>Item</th><th>Description</th></tr><tr><td>Application</td><td>The name of the application.</td></tr><tr><td>Hostname</td><td>The hostname of the source that the application is running on.</td></tr><tr><td>IP Address</td><td>The IP address of the source that the application is running on.</td></tr><tr><td>Port</td><td>The port number that the application is using.</td></tr><tr><td>Direction</td><td>The direction of the active connection: bound, incoming, or outgoing.</td></tr><tr><td>Timestamp</td><td>The timestamp of the last active connection.</td></tr><tr><td>Agent</td><td>Whether a Source Agent is installed on the source.</td></tr><tr><td></td><td>Opens a menu of actions that you can perform. You can install a Source Agent on a machine that has an active connection yet does not have a Source Agent installed on the machine.</td></tr></table> <p>The following table describes the information listed on the Active Connections view, ARP details, of the Source Details window.</p> <table><tr><th>Item</th><th>Description</th></tr><tr><td>Interface IP</td><td>The interface IP.</td></tr><tr><td>IP Address</td><td>The IP address of the source that the application is running on.</td></tr><tr><td>MAC</td><td>The MAC address.</td></tr><tr><td>Hostname</td><td>The hostname.</td></tr><tr><td>Type</td><td>The type.</td></tr><tr><td>Known</td><td>Whether the connection is known.</td></tr><tr><td></td><td>Opens a menu of actions that you can perform. You can install a Source Agent on a machine that has an active connection yet does not have a Source Agent installed on the machine.</td></tr></table>	Item	Description	Application	The name of the application.	Hostname	The hostname of the source that the application is running on.	IP Address	The IP address of the source that the application is running on.	Port	The port number that the application is using.	Direction	The direction of the active connection: bound, incoming, or outgoing.	Timestamp	The timestamp of the last active connection.	Agent	Whether a Source Agent is installed on the source.		Opens a menu of actions that you can perform. You can install a Source Agent on a machine that has an active connection yet does not have a Source Agent installed on the machine.	Item	Description	Interface IP	The interface IP.	IP Address	The IP address of the source that the application is running on.	MAC	The MAC address.	Hostname	The hostname.	Type	The type.	Known	Whether the connection is known.		Opens a menu of actions that you can perform. You can install a Source Agent on a machine that has an active connection yet does not have a Source Agent installed on the machine.
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Claim	US 9,722,858 Claim Term	Analysis
		<p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314867896/Using+the+Active+Connections+view)</p> <h3 data-bbox="705 321 1161 370">Using the Patches View </h3> <div data-bbox="705 410 1104 459"> Owned by Thomas Farley (Deactivated) *** Mar 29, 2022 • 1 min read</div> <p data-bbox="705 500 1976 524">The Patches view of the Source Details window displays a list of the patches that have been applied to a discovered source.</p> <h3 data-bbox="705 605 1213 646">To View Patches on a Source</h3> <ol data-bbox="716 670 1577 792" style="list-style-type: none">1. Click Manage>Sources. The Source Inventory window displays.2. Select an active source. The Source Details window displays.3. Click the Patches icon in the Source Details window. A list of patches is displayed. <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314605973/Using+the+Patches+View)</p>

Claim	US 9,722,858 Claim Term	Analysis
		<p>Using the Users and Groups view</p> <p> Owned by Thomas Farley (Deactivated) *** Mar 29, 2022 • 2 min read</p> <p>The Users view of the Source Details window displays a list of the user and group accounts that have access to the source.</p> <p>To View Accounts on a Source</p> <ol style="list-style-type: none"> 1. Click Manage>Sources. The Source Inventory windows displays. 2. Select an active source. The Source Details window displays. 3. Click the Users icon in the Source Details window.  <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314966118/Using+the+Users+and+Groups+view)</p>

Claim	US 9,722,858 Claim Term	Analysis
		<p data-bbox="695 215 1255 253">Discovering Your Inventory Patch Level</p> <div data-bbox="695 282 1024 326"> Owned by Thomas Farley (Deactivated) *** Mar 29, 2022 • 2 min read</div> <p data-bbox="695 358 1934 412">V-Maestro periodically scans all known source and destination servers to find missing OS updates. It reports this information on the Inventory Patch Level window, for each server. Click on an update in the Missing Updates column to view patch details.</p> <p data-bbox="695 477 972 514">CVE Vulnerabilities</p> <p data-bbox="695 531 1965 656">The Inventory Patch Level window provides cross-references to known CVE vulnerabilities that are addressed by each patch. CVE references are collected from multiple sources such as CVE databases, Microsoft security bulletins, Microsoft's security update portal. If an update is highlighted red, it means that V-Maestro found CVE vulnerabilities related to the update. In this case, the detailed patch view offers additional information and links to websites that describe the vulnerability. You can hover over some CVEs to view a summary.</p> <p data-bbox="695 704 1976 769"><u>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314867812/Discovering+Your+Inventory+Patch+Level)</u></p>

Understanding Audit



Owned by Thomas Farley (Deactivated) ***

Last updated: Apr 01, 2022 • 10 min read

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Claim	US 9,722,858 Claim Term	Analysis
		(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit)
4pre	The non-transitory computer readable medium of claim 3, wherein:	<p>The Accused Products comprise a non-transitory computer medium as claimed in claim 3. <i>See</i> claim 3.</p> <p>The Accused Products meet the remaining limitations in this claim. <i>See</i> limitations 1a-1c.</p>
4a	<p>in said discovering step of said method, said at least one source infrastructure management component comprises at least:</p> <p>said at least one source infrastructure management configuration; and</p> <p>said at least one source infrastructure management log;</p>	<i>See</i> limitation 1a; claim 2.
4b	<p>in said querying step of said method, said description of said target cloud infrastructure comprises at least one of:</p> <p>cloud infrastructure software standards;</p> <p>cloud infrastructure software configurations; and</p> <p>a description of non-functional requirements of a target</p>	<i>See</i> limitation 1b.

Claim	US 9,722,858 Claim Term	Analysis
	management infrastructure of said target cloud infrastructure;	
4c	<p>said analyzing step of said method comprises:</p> <p>matching said cloud infrastructure software standards with at least a corresponding one of:</p> <p>said at least one source infrastructure management client; and</p> <p>said at least one source infrastructure management server;</p>	<p><i>See</i> limitation 1c.</p> <p>For example, the Accused Products provide “Audit Reports,” which involves “matching said cloud infrastructure software standards with at least a corresponding one of: said at least one source infrastructure management client; and said at least one source infrastructure management server.” Below includes examples of “Audit Report Contents,” but such examples should not be viewed as exclusive or limiting.</p>

Viewing Destination Details

TF Owned by Thomas Farley (Deactivated) ***
Mar 29, 2022 • 2 min read

You can view detailed information about a selected destination, such as system information, storage profile, migration status, services, accounts, and applied patches.

To View Destination Details

1. Click **Manage>Destinations**. The Destination Inventory window is displayed.
2. Select a destination in the list by clicking on the hostname or the IP column. The Destination Details window is displayed. V-Maestro displays when the destination was last seen at the top of the window.

The screenshot displays the VirtaMaestro web application interface. The browser address bar shows 'localhost/DestinationDetailed/2'. The page title is 'WIN-R2DHOLTSHT5' with a 'Last Seen: 1 minutes ago' indicator. The interface is divided into several sections:

- Destination System Information:**
 - IP Address: 10.0.103.209
 - OS: Windows 2019
 - Group: N/A
 - CPU: Intel(R) Core(TM) i5-8300
 - Source: + Assign
 - CPU @ 2.90GHz
 - Memory: 4.00 GB
- Storage Profile - 1 disks:**
 - 1 System Disk
 - 0 Storage Disks
 - System Disk: 70.6 GB Free, 99.5 GB
 - N/A
- Migrations Complete:** 0
- Migrations In-Progress:** 0
- Required Storage Profile to Dissolve VAA:** No dissolve information available

Below these sections is a table of services:

Service	Status	Start Type	User Name	Description
ActiveX Installer (AdmSvc)	Stopped	Disabled	LocalSystem	Provides User Account Control validation for the installation of ActiveX controls from the Internet and enables management of ActiveX control installation based on Group Policy settings. This service is started on demand and if disabled the installation of ActiveX controls will be unable according to default browser settings.
AIJoin Router Service	Stopped	Manual	NT AUTHORITY\LocalService	Routes AIJoin messages for the local AIJoin clients. If this service is stopped the AIJoin clients that do not have their own bundled routers will be unable to run.
App Readiness	Stopped	Manual	LocalSystem	Gets apps ready for use the first time a user signs in to this PC and when adding new apps.
Application Identity	Stopped	Manual	NT Authority\LocalService	Determines and verifies the identity of an application. Disabling this service will prevent AppLocker from being enforced.
Application Information	Stopped	Manual	LocalSystem	Facilitates the running of interactive applications with additional administrative privileges. If this service is stopped, users will be unable to launch applications with the additional administrative privileges they may require to perform desired user tasks.
Application Layer Gateway Service	Stopped	Manual	NT AUTHORITY\LocalService	Provides support for 3rd party protocol plug-ins for Internet Connect on Sharing.

Claim	US 9,722,858 Claim Term	Analysis
		<p data-bbox="695 212 1976 245">(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314868022/Viewing+Destination+Details)</p> <h3 data-bbox="695 280 1087 326">Destination Actions</h3> <p data-bbox="695 354 1325 386">You can perform the following actions on a destination:</p> <ul data-bbox="695 415 1776 699" style="list-style-type: none"><li data-bbox="695 415 1776 448">• Run a pre-migration Audit to see whether the destination meets requirements for migration<li data-bbox="695 464 873 496">• Print details<li data-bbox="695 513 982 545">• Update the certificate<li data-bbox="695 561 1010 594">• Reinstall the destination<li data-bbox="695 610 1016 643">• RDP into the destination<li data-bbox="695 659 1136 699">• Unmap a destination from a source <p data-bbox="695 740 1976 773">(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314868022/Viewing+Destination+Details)</p>

Step 1: Audit



Owned by Thomas Farley (Deactivated) ***
Last updated: Mar 30, 2022 • 1 min read

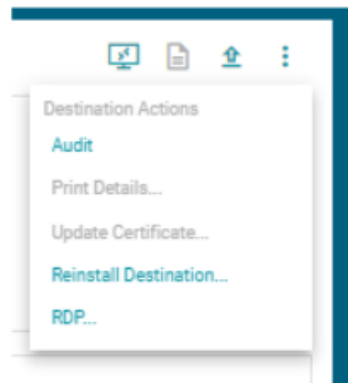
Now that you have destinations lined up, have monitored applications for a few days, and have migration candidates ready, you can start the migration process.

You will need a migration license to proceed.

To Start a Pre-Migration Audit

1. Click **Manage>Destinations**. The Destination Inventory window is displayed.
2. Select a destination in the list by clicking the **Host Source Name** link or by clicking **more actions>View Details** for the selected destination. The Destination Details window is displayed.
3. Click the Actions icon at the top and select **Audit**.

admin@virtamove.com



4. Click **Continue** to confirm.
5. If you haven't yet supplied a valid migration license, a message will indicate this. Click **OK** and click **Settings** in the **System** navigation menu on the left to do so. See [Managing V-Maestro License Keys](#) for more information.

The **Migrations In-Progress** card now displays the number of migrations in process and the operation in progress. The Progress column displays the progress toward completion in percentage. A migration icon now displays above the filter field.

Claim	US 9,722,858 Claim Term	Analysis
		(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314966328/Step+1+Audit)

Audit Report



Owned by Thomas Farley (Deactivated) ***
Mar 24, 2022 • 1 min read

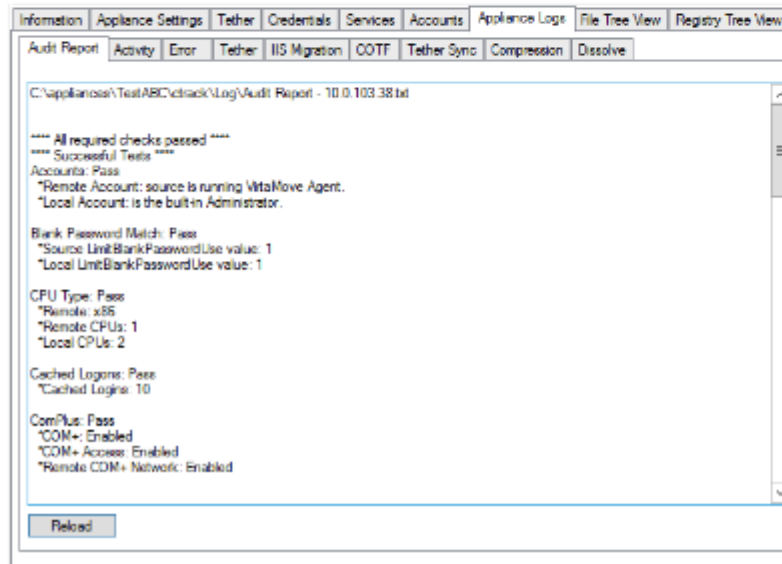
You can view the Audit Report, which is located as follows:

`C:\appliances\<Container>\ctrack\Log\Audit Report - <name>.txt`

You can also view it using the Administrative Console.

To View the Audit Report Using the Administrative Console

1. In the Administrative Console, select the container and then click the **Appliance Logs** tab.
2. Click the **Audit Report** tab. The Audit report is displayed.
3. To reload the Audit Report, click the **Reload** button.



Claim	US 9,722,858 Claim Term	Analysis
		(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/313917530/Audit+Report)

Claim	US 9,722,858 Claim Term	Analysis														
		<div><div><div>virtaaudit</div><div><div><div>TF</div><div>Owned by Thomas Farley (Deactivated) *** Last updated: Mar 28, 2022 • 2 min read</div></div></div></div><div><p>This command checks whether the source and destination machines comply with application migration pre-requisites. Run this command before you migrate an application. Any issues are listed in the <code>Audit Report.txt</code> file located in the appliance folder.</p><p>If the Audit Report lists a problem or problems that will impede application migration, see Understanding Audit for guidance about how to resolve specific issues identified in the report.</p><p>Administrator privileges are required.</p></div><div><div>Syntax</div><div><div><div>1</div><div>virtaaudit <server username> <password /P> [/V] [/O outputDirectory]</div></div><div><div>1</div><div>virtaaudit <server> [/V] [/O outputDirectory]</div></div></div><div><div>Options</div><table><tr><th>Option</th><th>Description</th></tr><tr><td>server</td><td>The IP address or machine name of the source machine.</td></tr><tr><td>username</td><td>The user name of the Administrator account on the source machine.</td></tr><tr><td>password</td><td>The password of the Administrator account on the source machine.</td></tr><tr><td>/O OutputDirectory</td><td>Write the Audit Report file to the specified directory. Optional.</td></tr><tr><td>/V verbose</td><td>Write detailed error descriptions to the CLI. Optional.</td></tr><tr><td>/P hidePassword</td><td>Hide the password for the user. Optional.</td></tr></table></div></div></div>	Option	Description	server	The IP address or machine name of the source machine.	username	The user name of the Administrator account on the source machine.	password	The password of the Administrator account on the source machine.	/O OutputDirectory	Write the Audit Report file to the specified directory. Optional.	/V verbose	Write detailed error descriptions to the CLI. Optional.	/P hidePassword	Hide the password for the user. Optional.
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/P hidePassword	Hide the password for the user. Optional.															

Claim	US 9,722,858 Claim Term	Analysis
		(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314212459/virtaaudit)


Understanding Audit




Owned by Thomas Farley (Deactivated) ***
Last updated: Apr 01, 2022 • 10 min read

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Claim	US 9,722,858 Claim Term	Analysis
		<p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit)</p> <h3>Firewall</h3> <p>This section indicates the firewall state of the three networking profiles (private, domain, public) on the destination and source machines. If the corresponding states differ between the two machines, a warning will be shown here.</p> <p>This section may display *Unknown* for the firewall state. This may occur because the source machine is running an older version of Windows Server (2003 or earlier), which has only one network profile.</p> <p>A firewall comparison tool is available if you want to compare firewall rule differences or troubleshoot firewall issues between the source and destination. See Comparing Group Policies between Source and Destination for more information.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#Firewall)</p> <h3>Comparing Firewall Rules</h3> <p> Owned by Thomas Farley (Deactivated) *** Last updated: Dec 04, 2022 • 2 min read</p> <p>Audit provides a warning about differences regarding the firewall enable state between the source and destination machine. A Compare Firewall Rules utility lets you compare rule differences.</p> <p>The utility is available only for Windows Server 2008 or later because earlier versions of the operating system do not feature additional firewall profiles.</p> <p>After you successfully run Audit, a firewall report is generated in the installation directory. For example:</p> <pre>1 C:\appliances\MyAppliance\ctrack\Log\AuditFirewall</pre>

Claim	US 9,722,858 Claim Term	Analysis
		<p data-bbox="690 212 1948 245">(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310739279/Comparing+Firewall+Rules)</p> <p data-bbox="699 285 1062 323">Disk Configuration Test</p> <p data-bbox="699 350 1965 420">This section provides information on how big the source machine and the destination machine drives are. A warning will be generated if the source machine drive is bigger than the destination machine drive.</p> <p data-bbox="699 451 1713 479">This section indicates whether the system drives match on the destination and source machines.</p> <p data-bbox="699 509 1430 537">If the system drives do not match, contact your system administrator.</p> <p data-bbox="690 597 1948 667">(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#Disk-Configuration-Test)</p> <p data-bbox="699 716 926 753">Group Policies</p> <p data-bbox="699 781 1738 808">This audit is not available on Windows 2000 or earlier. A group policy report will not be generated.</p> <p data-bbox="699 839 1965 1036">The group policy section in the audit report indicates whether group policy information was successfully collected from the source and destination machines. If the audit was successful, then you can perform a group policy comparison using the https://virtamove.atlassian.net/wiki/spaces/VE/pages/309297809/Group+Policy+Comparison+Tool?search_id=8befec8f-bb8f-4f46-ac1d-6efb11f17c83 Can't find link from the Administrative Console. If the audit was not successful, the audit report will indicate why group policy information could not be collected.</p> <p data-bbox="690 1084 1965 1154">(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#Group-Policies)</p>

Claim	US 9,722,858 Claim Term	Analysis
		<p>Comparing Group Policies between Source and Destination</p> <p> Owned by Thomas Farley (Deactivated) *** Last updated: Dec 04, 2022 • 2 min read</p> <p>A Group Policy Comparison utility lets you compare rule differences regarding the group policies between the source and destination machine.</p> <p>The utility is available only for Windows Server 2003 or later.</p> <p>After you successfully run Audit, a group policy report is generated for supported platforms in the installation directory. For example:</p> <pre>1 C:\appliances\MyAppliance\ctrack\Log\AuditGroupPolicies\</pre> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310707046/Comparing+Group+Policies+between+Source+and+Destination)</p> <p>Network Identity Cards</p> <p>This section indicates how many Network Identity Cards (NICs) are on the source and destination machine.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#Network-Identity-Cards)</p> <p>Mapping NICs between Source and Destination</p> <p>You can use COTF to add or remove NICs to match the number of NICs on the source machine, using selected NICs as COTF parameters. For example, the source machine might have more NICs than the destination. The parameters are stored in the <code>ipCOTF.xml</code> file in the <code>COTF</code> folder for the selected appliance.</p> <p>If there is a NIC mismatch, the Administrative Console will display a message. You can map the IP addresses manually if you need to correct the mismatch.</p>

Claim	US 9,722,858 Claim Term	Analysis
		<u>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/311263613/Config-on-the-Fly#Mapping-NICs-between-Source-and-Destination)</u>

Claim	US 9,722,858 Claim Term	Analysis
		<p>Port</p> <p>This section of the report indicates the status of the required ports on the source machine.</p> <ul style="list-style-type: none"> • Check that there is connectivity end-to-end from the destination server to the source on port 445. This is a blocking issue if VirtaMove Source Agent is not being used and port 445 is not open. End-to-end means that the port is open at the Windows firewalls, at the cloud-instance firewalls, and at any perimeter firewalls between the two servers. If the use of port 445 is not permitted on the network or is a concern, use a virtual private network (VPN) to establish connectivity between the destination and source machines. • For IIS migrations, make sure that port 80 is open because it is required by Web Deploy. • For migrations that use VirtaMove Source Agent, make sure that port 9665 is open on the source machine. Port 9665 is required to establish a connection to the VirtaMove Source Agent on the source machine. Two inbound rules must be created on the source machine: one for the TCP and one for the UDP port (both 9665). See https://technet.microsoft.com/en-us/library/ms345310(v=sql.100).aspx for more information. <p>VirtaMove Source Agent communicates through TCP port number 9665 by default. You can configure the port number to a different number if required. See VirtaMove Source Agent for more information.</p> <p>If the Audit Report indicates that a required port is closed, makes sure that external nodes between the destination machine and the source machine also permit communication across these ports (port 445, 9665, etc.). For example, if you are migrating to an Amazon Web Services (AWS) managed cloud server, make sure that AWS also has these ports opened.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#Port)</p>

Assigning a Destination to a Source



Owned by Thomas Farley (Deactivated) ***
Mar 29, 2022 • 1 min read

You can assign a destination to a specific source machine.

To Assign a Destination to a Source

1. Click **Manage>Destinations**. The Destination Inventory window is displayed.
2. In the **Source Hostname** column, click **Assign**. The Assign a Source window is displayed.

Assign a Source

Please select a source machine to assign to this destination

Filter by OS Group, IP Address

Source HostName	IP Address	Host Type	
bw2k3-2480	10.0.103.112	Virtual	Select
DEV-VMApache02	10.0.90.16	Virtual	Select
DEV-VMApache04	10.0.90.17	Virtual	Select
DEV-VMBITHAM8	10.0.90.26	Virtual	Select
DEV-VMBugIn1	10.0.90.27	Virtual	Select
DEV-VMBUGZILLA2	10.0.90.28	Virtual	Select
DEV-VMDev05	10.0.90.20	Virtual	Select
DEV-VMDRUPAL	10.0.90.38	Virtual	Select
DEV-VMOffice247	10.0.90.39	Virtual	Select
DEV-VMWeb02	10.0.90.29	Virtual	Select

Items per page: 10
1 of 2
< > >>

Cancel Continue

3. Select a source by clicking **Select**. You can scroll through the list of source hostnames if necessary or filter the list. Click **Continue**. A message displays whether the mapping was successful.
4. Click **Close**.

The source you mapped is now displayed in the **Source Hostname** column for the destination in the Destination Inventory window.

You can also assign a destination to a source from the Destination Details window or the Source Inventory page.

Claim	US 9,722,858 Claim Term	Analysis
		<p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314966212/Assigning+a+Destination+to+a+Source)</p> <p>Moreover, the Accused Products provide “[s]ophisticated reports and real-time data [to] provide deep insight on <i>migration candidates and priorities</i>, server profiles, security vulnerabilities, migration complexity assessment, and total estimated annual costs for cloud migrations.” VirtaMove’s software “can help you determine <i>which applications can and should be migrated, how complex a migration is likely to be, and the internal resources you’ll need to successfully migrate your applications.</i>”</p>



Claim	US 9,722,858 Claim Term	Analysis
		<p data-bbox="709 219 1222 418"><i>It Pays to Look Before You Leap into Application Migration</i></p> <p data-bbox="709 456 1234 630">VirtaMove's Intelligent application discovery and monitoring shines light on all servers and applications in your network.</p> <p data-bbox="709 675 1222 995">A clear picture removes assumptions, guesswork, and hidden costs from application migration or modernization plans. Sophisticated reports and real-time data provide deep insight on migration candidates and priorities, server profiles, security vulnerabilities, migration complexity assessment, and total estimated annual costs for cloud migrations.</p> <p data-bbox="709 1040 1192 1109">Smart data means you don't have to jump into application migration with a blindfold on.</p> <p data-bbox="693 1182 1407 1214">(https://virtamove.com/solutions/application-discovery/)</p>


Claim	US 9,722,858 Claim Term	Analysis
		<p data-bbox="699 224 1362 1209">AI Driven Application Monitoring and Discovery</p> <p data-bbox="699 516 1362 841">With deep data about your server and application profiles, you can achieve effective and optimized migrations that will yield high returns on your migration or modernization investments.</p> <p data-bbox="699 893 1362 1182">Avoid migrating unnecessary applications, eliminate technical pitfalls before, during, and after a migration, and remove best guesses in capacity planning so you don't over or under provision destination servers. Save time and cost from migration start to finish.</p> <p data-bbox="699 1247 1409 1279">(https://virtamove.com/solutions/application-discovery/)</p>

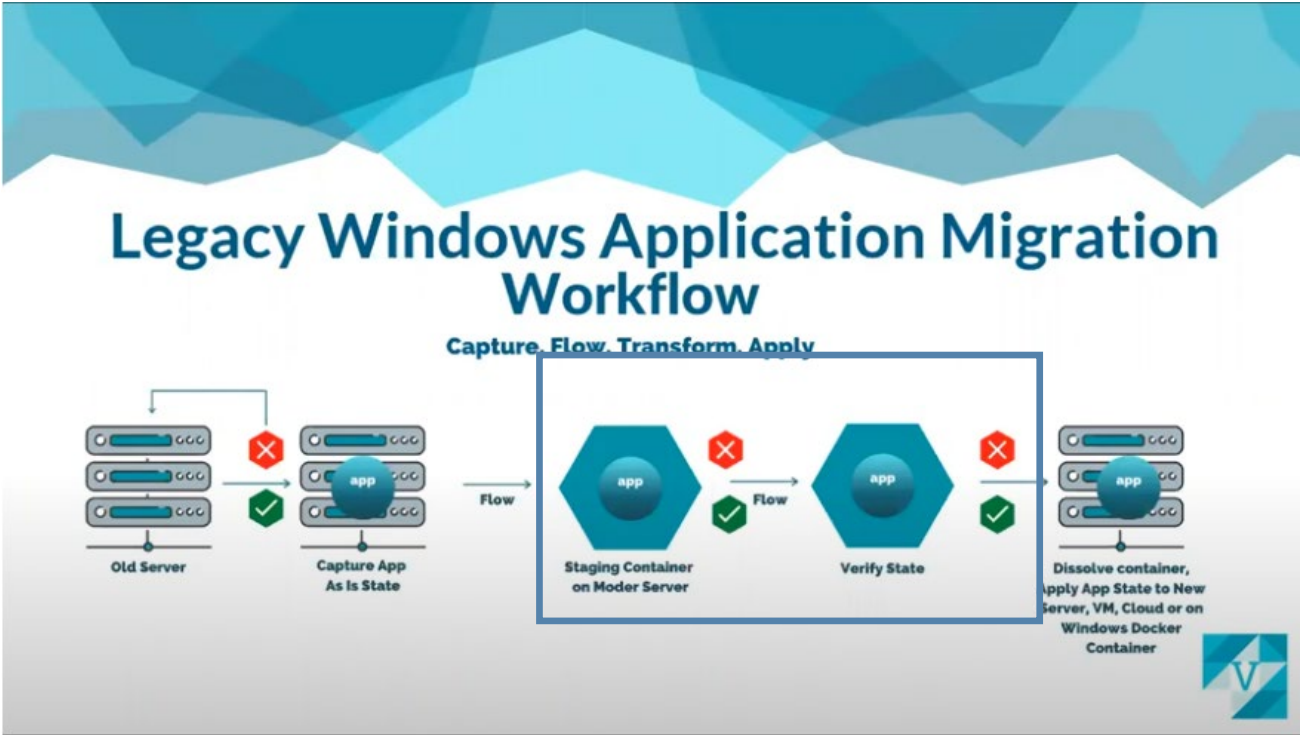
Claim	US 9,722,858 Claim Term	Analysis
		<div data-bbox="688 207 1661 919"><div data-bbox="699 259 1142 894"><p>APPLICATION DISCOVERY ›</p><p>VirtaMove's intelligent application monitoring and discovery removes assumptions and guesswork from application modernization plans and strategy.</p></div><div data-bbox="1182 259 1625 894"><p>MIGRATION STRATEGY ›</p><p>Sophisticated reports and real-time data provide a clear picture of migration candidates and priorities, server profiles, migration complexity scores, and total estimated annual costs for cloud migrations.</p></div></div> <p data-bbox="688 954 1125 990">(https://virtamove.com/solutions/)</p>

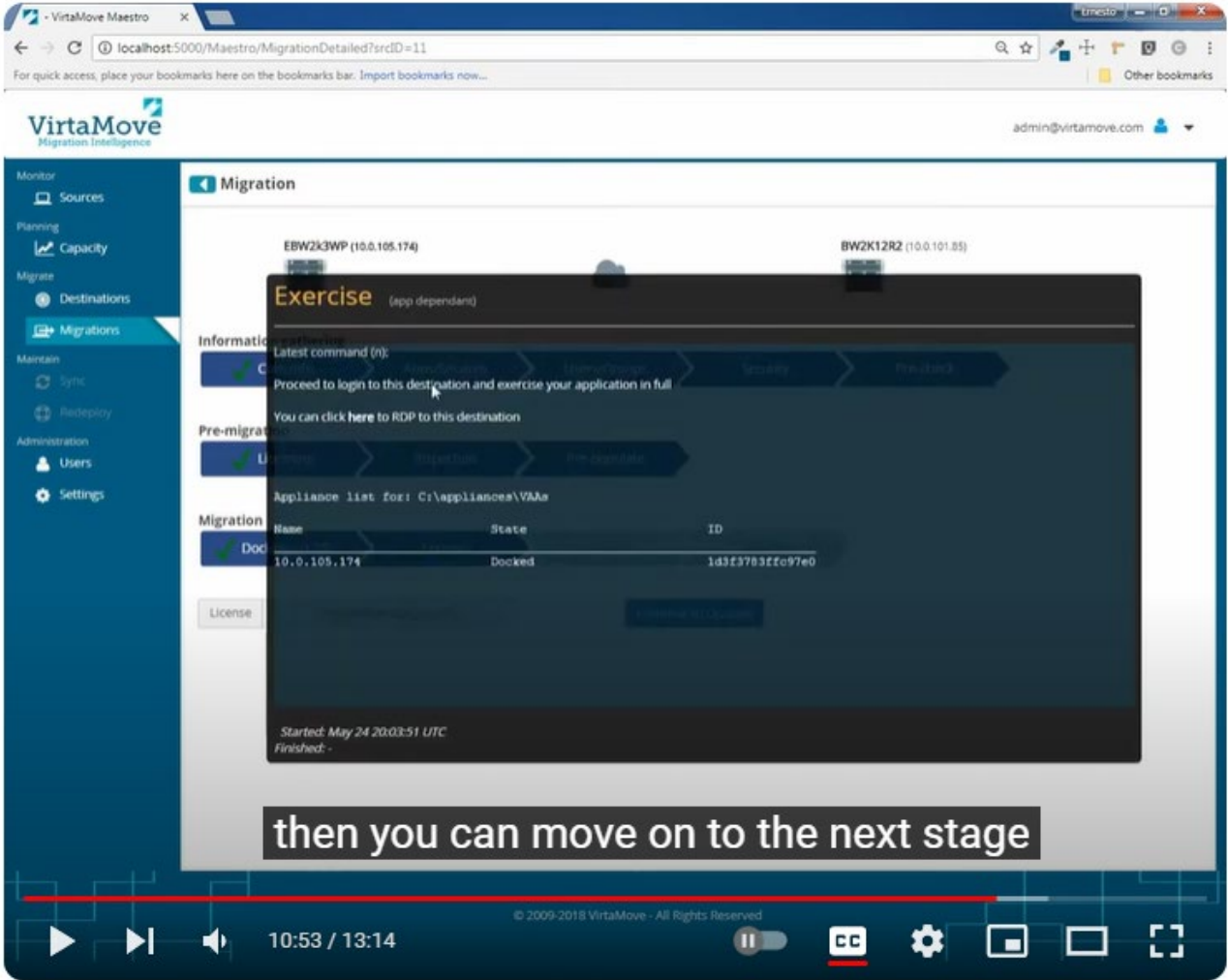
Claim	US 9,722,858 Claim Term	Analysis
		<div data-bbox="693 224 1371 1052"><p>Relearn Your Applications</p><p>A great migration plan starts with understanding your applications and partnering with a migration expert.</p><p>We'll help you select the right applications and remove guesswork from capacity planning so you don't over or under provision destination servers.</p><p>Leverage VirtaMove's expertise and migration assessment to achieve effective and optimized migrations that will yield high returns on your modernization investments.</p></div> <p data-bbox="693 1084 1371 1120">(https://virtamove.com/solutions/migration-strategy/)</p>

Claim	US 9,722,858 Claim Term	Analysis
		<p data-bbox="701 215 1360 1273"><i>How Well Do You Know Your Server?</i></p> <p data-bbox="701 418 1283 630">Legacy servers can be difficult to migrate, harboring many unknown elements that can surface after a migration begins.</p> <p data-bbox="701 678 1339 1019">These technical pitfalls can significantly delay a migration and increase costs. Use VirtaMove's technology and expertise to steer your migration project to success, from strategy to completion. At VirtaMove we've migrated tens of thousands of servers across multiple platforms, on-prem or to the cloud.</p> <p data-bbox="701 1068 1346 1255">We can help you determine which applications can and should be migrated, how complex a migration is likely to be, and the internal resources you'll need to successfully migrate your applications.</p> <p data-bbox="701 1312 1367 1344">(https://virtamove.com/solutions/migration-strategy/)</p>

Claim	US 9,722,858 Claim Term	Analysis
		<p>Further evidence showing the Accused Products match software standards of source and destination infrastructures is found below.</p> <h3>Config-on-the-Fly</h3> <p> Owned by Thomas Farley (Deactivated) *** Last updated: Mar 28, 2022 • 2 min read</p> <h4>Table of Contents</h4> <ul style="list-style-type: none"> • Config-on-the-fly Files and Paths • Config-on-the-fly on Demand • Mapping NICs between Source and Destination • COTF Log <hr/> <p>Your container may contain configuration information from another system and this information may not be compatible with the current system. For example, you may need to change IP addresses or hostnames. You can use a Config-on-the-fly file (<i>StandardCOTF.xml</i>) to update the configuration information so that it works with the current system. You may need to update the settings in the configuration file with information from the current system.</p> <p>You specify the Config-on-the-fly file using the  <code>virtapedit</code> command-line utility to update the following property:</p> <pre>1 CPROP_CONFIG_FILE</pre> <p>Container properties (for example, <code>CPROP_SRC_NODENAME</code>) can be used as arguments to the <code>CPROP_CONFIG_FILE</code> property.</p> <p>StandardCOTF.xml is located as follows:</p> <pre>1 C:\appliances\<ContainerName>\COTF\StandardCOTF.xml</pre> <p>You can have multiple COTF files in the COTF folder. For example, one file could be for replacing IP addresses and another one for replacing hostnames. V-Migrate will load the combined COTF information from the files in the folder.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/311263613/Config-on-the-Fly)</p>

Claim	US 9,722,858 Claim Term	Analysis
		<p data-bbox="705 224 1050 264">Encryption Detection</p> <div data-bbox="705 302 1073 347"> Owned by Thomas Farley (Deactivated) *** Last updated: Mar 25, 2022 • 1 min read</div> <p data-bbox="705 386 1974 483">Your container may contain encrypted configuration information from the source machine that is not compatible with the information on the current machine. You can use the virtacryptdetect tool to log the paths of files and registry keys to help you determine which configuration information needs to be modified.</p> <p data-bbox="705 509 911 539">See also virtacotf.</p> <p data-bbox="693 597 1879 631"><u>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/311132174/Encryption+Detection)</u></p> <p data-bbox="693 667 1984 881">“V-Maestro can be thought of as an active CM BD, being able to tell us information about the applications on a server. There are a number of reports that can be made available for project managers and senior level managers. Reports can breakdown which servers are being monitored and how far along in the monitor process we are. <i>All the data can be generated into PDF reports that can be emailed to team members or management, and lets you right-size destination servers and do some capacity planning for an application and destination servers.</i>”</p>

Claim	US 9,722,858 Claim Term	Analysis
		<p>The Accused Products analyze “source infrastructure management component[s]” and “determine that said at least one source infrastructure management component is appropriate for infrastructure configuration mapping to said target cloud infrastructure” through during the migration process.</p> <p>“Because our solution is primarily installed on the destination server we have established a <i>staging container</i> and that staging container takes advantage of the modern operating system and it’s in that container that you have the ability to <i>verify that the copy of the application taken from the old source operating system functions properly in that new operating system.</i>”</p>  <p>The diagram illustrates the 'Legacy Windows Application Migration Workflow'. It begins with an 'Old Server' (represented by three server icons) with a red 'X' indicating a failure. An arrow labeled 'Flow' leads to 'Capture App As Is State' (a server icon with a green checkmark). This is followed by a box labeled 'Capture, Flow, Transform, Apply' containing two steps: 'Staging Container on Moder Server' (a server icon with a green checkmark) and 'Verify State' (a server icon with a green checkmark). An arrow labeled 'Flow' leads from the box to the final step: 'Dissolve container, apply App State to New Server, VM, Cloud or on Windows Docker Container' (a server icon with a green checkmark). A red 'X' is shown above the final step. The diagram is set against a blue geometric background.</p> <p>(https://www.youtube.com/watch?v=hDb541Ax6xw)</p> <p>“Then you can move onto the next stage: user acceptance testing or the exercise phase. <i>In the exercise step, we move to the destination server and run the application through its bases and</i></p>

Claim	US 9,722,858 Claim Term	Analysis
		<p><i>confirm that everything is working as expected. Once the application has passed its testing, we can push the application through the dissolve process to have it natively installed on the destination server.”</i></p>  <p>then you can move on to the next stage</p>

Claim	US 9,722,858 Claim Term	Analysis
		<p data-bbox="697 214 1409 245"><u>(https://www.youtube.com/watch?v=nOIMUwHMvY0)</u></p> <p data-bbox="697 277 1988 313">Additional evidence showing VirtaMove's infringement is found in at least the following documents:</p>

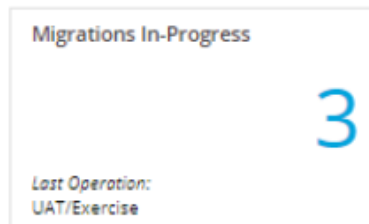
Step 3: Test the Application in the Container



Owned by Thomas Farley (Deactivated) ***
Mar 29, 2022 • 2 min read

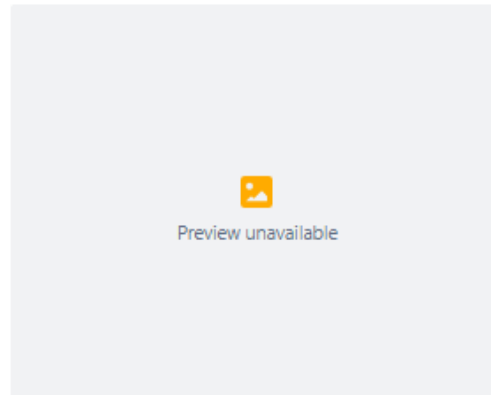
Once the migration container is prepopulated with the application and its dependencies, you can start testing the application in the container to make sure that it performs as expected. The Testing team will exercise the application, which means using all its features and functions so that V-Maestro is able to capture these elements in a complete migration template.

The testing team will RDP into the destination machine to start the application and perform the exercise operation.




To Test the Application

1. In the Destination Details window, click the Actions icon at the top and select **RDP**.



2. In the Remote Desktop Connection window, click **Connect**.
3. On the destination machine, open VirtaMove Administrative Console.
4. Select the container, then click the **Services** tab. Start required services and click **Save** if necessary.
5. When services have started, click **Run** to launch the application.
6. When the application starts, use the application features and functions as much as possible in order to obtain a complete migration template.

Claim	US 9,722,858 Claim Term	Analysis
		<p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314671696/Step+3%3A+Test+the+Application+in+the+Container)</p> <h2 data-bbox="701 321 1003 362">Testing Containers</h2> <div data-bbox="701 396 1068 443">  Owned by Thomas Farley (Deactivated) *** Last updated: Mar 28, 2022 • 2 min read </div> <h3 data-bbox="701 480 879 505">Table of Contents</h3> <ul data-bbox="701 529 1110 695" style="list-style-type: none"> • About Testing Containers <ul style="list-style-type: none"> ◦ Testing Requirements • Testing a Container • What If I Find Problems During Testing? <ul style="list-style-type: none"> ◦ To Delete and Recreate a Container <h2 data-bbox="701 764 1117 805">About Testing Containers</h2> <p data-bbox="701 824 1948 886">You can test a container to make sure that the appliance runs correctly. Testing a container may include testing container services, for example. Once you are satisfied that the container runs correctly, you can then move the appliance to the destination machine.</p> <p data-bbox="701 915 1482 940">You can test an appliance on either the source machine or the destination machine.</p> <h2 data-bbox="701 1003 999 1044">Testing Requirements</h2> <p data-bbox="701 1063 1965 1157">If you are testing on the destination machine, make sure that the environment is configured to meet the configuration requirements of the application or service in the appliance. For more information, see your application documentation for system configuration requirements.</p> <p data-bbox="701 1187 1961 1287">To avoid service conflicts where appliances with services from the source machine already exist on the destination, VirtaMove will display an error message and prevent the local service from starting. You must resolve this conflict by either removing the service from the destination or removing the service from the container.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314114051/Testing+Containers)</p>

The requirements for COM+ and DCOM are as follows.

Requirement	Description
Registry key value <code>Com+Enabled</code>	<p>If the registry key value <code>Com+Enabled</code> in the <code>HKLM\SOFTWARE\Microsoft\COM3</code> registry key is set to 0 (disabled) on the source machine, attempts to connect from the destination machine to the source machine and list COM+ applications on the source machine will result in an error.</p> <p>If <code>Com+Enabled</code> is disabled on the destination machine, it will not be possible to list COM+ applications on the destination machine or install COM+ applications on the destination machine, which means that containers that have COM+ application packages will fail to dock.</p> <p>Additionally, if <code>RemoteAccessEnabled</code> is disabled on the source machine, attempts to connect from the destination machine to the source machine and list COM+ applications on the source machine will result in an error.</p>
Membership in the Distributed COM Users Group	The account used to perform the export (the account specified in the tether credentials) must be a member of the Distributed COM Users group on the source machine. Otherwise, the export will fail .
Configure your firewall to allow DCOM connections	<p>You may need to configure your firewall to allow DCOM connections. For information, see:</p> <p>How to Configure the Firewall to Allow DCOM Connections</p>
<code>AutoShareServer</code> and <code>LocalAccountTokenFilterPolicy</code> registry keys	<p>For less than Windows Server 2008</p> <p>The following key must be set to 1 or undefined:</p> <pre>1 Local SYSTEM\CurrentControlSet\Services\LanmanServer\Parameters\AutoShareServer</pre> <p>For Windows Server 2008 or higher</p> <p>The Remote Account must be the built-in Administrator (not just an Administrator), or the following key must be set to 1 on both the source and destination machine:</p> <pre>1 SOFTWARE\Microsoft\Windows\CurrentVersion\Policies\System\LocalAccountTokenFilterPolicy</pre>
<code>complusnetwork</code> registry key	<p>For Windows Server 2003 Source Machines</p> <p>To ensure that VirtaMove can access COM/COM+ components related to your application, the Application Server Role must be installed and the following key must be enabled (set to 1) on the source server:</p> <pre>1 HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Setup\OC Manager\Subcomponents\compl</pre> <p>A reboot is not required after you change the value of this key.</p> <p>For Windows Server 2008 and Higher Source Machines</p> <p>For Windows Server 2008 and higher source machines, the <code>complusnetwork</code> key does not exist. However, port 135 must be open to allow VirtaMove access to COM/COM+ components. For more information, see: https://technet.microsoft.com/en-us/library/cc731967(v=ws.11).aspx.</p>

Claim	US 9,722,858 Claim Term	Analysis
		(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310477173/COM+and+DCOM+Requirements)
4d	mapping said description of said non-functional requirements of said source management infrastructure with said description of said non-functional requirements of said target management infrastructure; and	<i>See</i> limitation 1c. For example, the Accused Products provide “Audit Reports,” which involves “mapping said description of said non-functional requirements of said source management infrastructure with said description of said non-functional requirements of said target management infrastructure.” Below includes examples of “Audit Report Contents,” but such examples should not be viewed as exclusive or limiting.

Step 1: Audit



Owned by Thomas Farley (Deactivated) ***
Last updated: Mar 30, 2022 • 1 min read

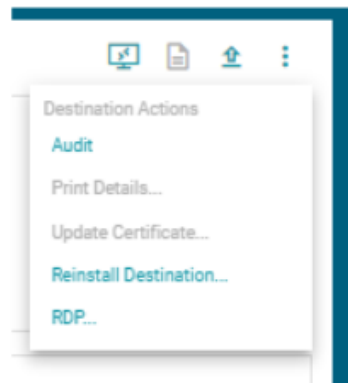
Now that you have destinations lined up, have monitored applications for a few days, and have migration candidates ready, you can start the migration process.

You will need a migration license to proceed.

To Start a Pre-Migration Audit

1. Click **Manage>Destinations**. The Destination Inventory window is displayed.
2. Select a destination in the list by clicking the **Host Source Name** link or by clicking **more actions>View Details** for the selected destination. The Destination Details window is displayed.
3. Click the Actions icon at the top and select **Audit**.

admin@virtamove.com



4. Click **Continue** to confirm.
5. If you haven't yet supplied a valid migration license, a message will indicate this. Click **OK** and click **Settings** in the **System** navigation menu on the left to do so. See [Managing V-Maestro License Keys](#) for more information.

The **Migrations In-Progress** card now displays the number of migrations in process and the operation in progress. The Progress column displays the progress toward completion in percentage. A migration icon now displays above the filter field.

Claim	US 9,722,858 Claim Term	Analysis
		(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314966328/Step+1+Audit)

Audit Report



Owned by Thomas Farley (Deactivated) ***
Mar 24, 2022 • 1 min read

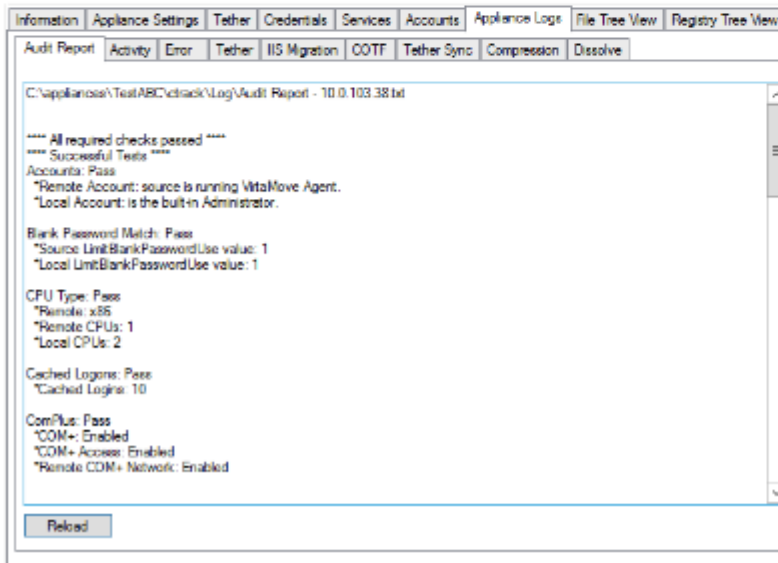
You can view the Audit Report, which is located as follows:

`C:\appliances\<Container>\ctrack\Log\Audit Report - <name>.txt`

You can also view it using the Administrative Console.

To View the Audit Report Using the Administrative Console

1. In the Administrative Console, select the container and then click the **Appliance Logs** tab.
2. Click the **Audit Report** tab. The Audit report is displayed.
3. To reload the Audit Report, click the **Reload** button.



Claim	US 9,722,858 Claim Term	Analysis
		(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/313917530/Audit+Report)

Claim	US 9,722,858 Claim Term	Analysis														
		<div><div><div><div><div></div><div>TF</div></div><div><div>Owned by Thomas Farley (Deactivated) ***</div><div>Last updated: Mar 28, 2022 • 2 min read</div></div></div><div><h2>virtaaudit</h2><p>This command checks whether the source and destination machines comply with application migration pre-requisites. Run this command before you migrate an application. Any issues are listed in the <code>Audit Report.txt</code> file located in the appliance folder.</p><p>If the Audit Report lists a problem or problems that will impede application migration, see Understanding Audit for guidance about how to resolve specific issues identified in the report.</p><p>Administrator privileges are required.</p><h3>Syntax</h3><pre>1 virtaaudit <server username> <password /P> [/V] [/O outputDirectory]</pre><pre>1 virtaaudit <server> [/V] [/O outputDirectory]</pre><h3>Options</h3><table><tr><th>Option</th><th>Description</th></tr><tr><td>server</td><td>The IP address or machine name of the source machine.</td></tr><tr><td>username</td><td>The user name of the Administrator account on the source machine.</td></tr><tr><td>password</td><td>The password of the Administrator account on the source machine.</td></tr><tr><td>/O OutputDirectory</td><td>Write the Audit Report file to the specified directory. Optional.</td></tr><tr><td>/V verbose</td><td>Write detailed error descriptions to the CLI. Optional.</td></tr><tr><td>/P hidePassword</td><td>Hide the password for the user. Optional.</td></tr></table></div></div></div>	Option	Description	server	The IP address or machine name of the source machine.	username	The user name of the Administrator account on the source machine.	password	The password of the Administrator account on the source machine.	/O OutputDirectory	Write the Audit Report file to the specified directory. Optional.	/V verbose	Write detailed error descriptions to the CLI. Optional.	/P hidePassword	Hide the password for the user. Optional.
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server	The IP address or machine name of the source machine.															
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/O OutputDirectory	Write the Audit Report file to the specified directory. Optional.															
/V verbose	Write detailed error descriptions to the CLI. Optional.															
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Claim	US 9,722,858 Claim Term	Analysis
		(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314212459/virtaaudit)


Understanding Audit




Owned by Thomas Farley (Deactivated) ***
Last updated: Apr 01, 2022 • 10 min read

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Claim	US 9,722,858 Claim Term	Analysis
		<p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit)</p> <h3>Firewall</h3> <p>This section indicates the firewall state of the three networking profiles (private, domain, public) on the destination and source machines. If the corresponding states differ between the two machines, a warning will be shown here.</p> <p>This section may display *Unknown* for the firewall state. This may occur because the source machine is running an older version of Windows Server (2003 or earlier), which has only one network profile.</p> <p>A firewall comparison tool is available if you want to compare firewall rule differences or troubleshoot firewall issues between the source and destination. See Comparing Group Policies between Source and Destination for more information.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#Firewall)</p> <h3>Comparing Firewall Rules</h3> <p> Owned by Thomas Farley (Deactivated) *** Last updated: Dec 04, 2022 • 2 min read</p> <p>Audit provides a warning about differences regarding the firewall enable state between the source and destination machine. A Compare Firewall Rules utility lets you compare rule differences.</p> <p>The utility is available only for Windows Server 2008 or later because earlier versions of the operating system do not feature additional firewall profiles.</p> <p>After you successfully run Audit, a firewall report is generated in the installation directory. For example:</p> <pre>1 C:\appliances\MyAppliance\ctrack\Log\AuditFirewall</pre>

Claim	US 9,722,858 Claim Term	Analysis
		<p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310739279/Comparing+Firewall+Rules)</p> <h3 data-bbox="699 285 1062 321">Disk Configuration Test</h3> <p data-bbox="699 350 1965 418">This section provides information on how big the source machine and the destination machine drives are. A warning will be generated if the source machine drive is bigger than the destination machine drive.</p> <p data-bbox="699 451 1713 477">This section indicates whether the system drives match on the destination and source machines.</p> <p data-bbox="699 509 1430 535">If the system drives do not match, contact your system administrator.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#Disk-Configuration-Test)</p> <h3 data-bbox="699 717 926 753">Group Policies</h3> <p data-bbox="699 782 1738 808">This audit is not available on Windows 2000 or earlier. A group policy report will not be generated.</p> <p data-bbox="699 841 1965 1036">The group policy section in the audit report indicates whether group policy information was successfully collected from the source and destination machines. If the audit was successful, then you can perform a group policy comparison using the ✖ https://virtamove.atlassian.net/wiki/spaces/VE/pages/309297809/Group+Policy+Comparison+Tool?search_id=8befec8f-bb8f-4f46-ac1d-6efb11f17c83 Can't find link from the Administrative Console. If the audit was not successful, the audit report will indicate why group policy information could not be collected.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#Group-Policies)</p>

Claim	US 9,722,858 Claim Term	Analysis
		<p>Comparing Group Policies between Source and Destination</p> <p> Owned by Thomas Farley (Deactivated) *** Last updated: Dec 04, 2022 • 2 min read</p> <p>A Group Policy Comparison utility lets you compare rule differences regarding the group policies between the source and destination machine.</p> <p>The utility is available only for Windows Server 2003 or later.</p> <p>After you successfully run Audit, a group policy report is generated for supported platforms in the installation directory. For example:</p> <pre>1 C:\appliances\MyAppliance\ctrack\Log\AuditGroupPolicies\</pre> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310707046/Comparing+Group+Policies+between+Source+and+Destination)</p> <p>Network Identity Cards</p> <p>This section indicates how many Network Identity Cards (NICs) are on the source and destination machine.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#Network-Identity-Cards)</p> <p>Mapping NICs between Source and Destination</p> <p>You can use COTF to add or remove NICs to match the number of NICs on the source machine, using selected NICs as COTF parameters. For example, the source machine might have more NICs than the destination. The parameters are stored in the <code>ipCOTF.xml</code> file in the <code>COTF</code> folder for the selected appliance.</p> <p>If there is a NIC mismatch, the Administrative Console will display a message. You can map the IP addresses manually if you need to correct the mismatch.</p>

Claim	US 9,722,858 Claim Term	Analysis
		(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/311263613/Config-on-the-Fly#Mapping-NICs-between-Source-and-Destination)

Claim	US 9,722,858 Claim Term	Analysis
		<p>Port</p> <p>This section of the report indicates the status of the required ports on the source machine.</p> <ul style="list-style-type: none"> • Check that there is connectivity end-to-end from the destination server to the source on port 445. This is a blocking issue if VirtaMove Source Agent is not being used and port 445 is not open. End-to-end means that the port is open at the Windows firewalls, at the cloud-instance firewalls, and at any perimeter firewalls between the two servers. If the use of port 445 is not permitted on the network or is a concern, use a virtual private network (VPN) to establish connectivity between the destination and source machines. • For IIS migrations, make sure that port 80 is open because it is required by Web Deploy. • For migrations that use VirtaMove Source Agent, make sure that port 9665 is open on the source machine. Port 9665 is required to establish a connection to the VirtaMove Source Agent on the source machine. Two inbound rules must be created on the source machine: one for the TCP and one for the UDP port (both 9665). See https://technet.microsoft.com/en-us/library/ms345310(v=sql.100).aspx for more information. <p>VirtaMove Source Agent communicates through TCP port number 9665 by default. You can configure the port number to a different number if required. See VirtaMove Source Agent for more information.</p> <p>If the Audit Report indicates that a required port is closed, makes sure that external nodes between the destination machine and the source machine also permit communication across these ports (port 445, 9665, etc.). For example, if you are migrating to an Amazon Web Services (AWS) managed cloud server, make sure that AWS also has these ports opened.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#Port)</p>

Assigning a Destination to a Source



Owned by Thomas Farley (Deactivated) ***
Mar 29, 2022 • 1 min read

You can assign a destination to a specific source machine.

To Assign a Destination to a Source

1. Click **Manage>Destinations**. The Destination Inventory window is displayed.
2. In the **Source Hostname** column, click **Assign**. The Assign a Source window is displayed.

Assign a Source

Please select a source machine to assign to this destination

Filter by OS Group, IP Address

Source HostName	IP Address	Machine Type	
bw2k3-2480	10.0.103.112	Virtual	Select
DEV-VMApache02	10.0.90.16	Virtual	Select
DEV-VMApache04	10.0.90.17	Virtual	Select
DEV-VMBITHAM8	10.0.90.26	Virtual	Select
DEV-VMBugfix1	10.0.90.27	Virtual	Select
DEV-VMBUGZILLA2	10.0.90.28	Virtual	Select
DEV-VMDev05	10.0.90.20	Virtual	Select
DEV-VMDRUPAL	10.0.90.38	Virtual	Select
DEV-VMOffice247	10.0.90.39	Virtual	Select
DEV-VMWeb02	10.0.90.29	Virtual	Select

Items per page: 10
1 of 2
< > >>

Cancel Continue

3. Select a source by clicking **Select**. You can scroll through the list of source hostnames if necessary or filter the list. Click **Continue**. A message displays whether the mapping was successful.
4. Click **Close**.

The source you mapped is now displayed in the **Source Hostname** column for the destination in the Destination Inventory window.

You can also assign a destination to a source from the Destination Details window or the Source Inventory page.

Claim	US 9,722,858 Claim Term	Analysis
		<p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314966212/Assigning+a+Destination+to+a+Source)</p> <p>Moreover, the Accused Products provide “[s]ophisticated reports and real-time data [to] provide deep insight on <i>migration candidates and priorities</i>, server profiles, security vulnerabilities, migration complexity assessment, and total estimated annual costs for cloud migrations.” VirtaMove’s software “can help you determine <i>which applications can and should be migrated, how complex a migration is likely to be, and the internal resources you’ll need to successfully migrate your applications.</i>”</p>



Claim	US 9,722,858 Claim Term	Analysis
		<p data-bbox="709 219 1222 418"><i>It Pays to Look Before You Leap into Application Migration</i></p> <p data-bbox="709 456 1234 630">VirtaMove's Intelligent application discovery and monitoring shines light on all servers and applications in your network.</p> <p data-bbox="709 675 1222 995">A clear picture removes assumptions, guesswork, and hidden costs from application migration or modernization plans. Sophisticated reports and real-time data provide deep insight on migration candidates and priorities, server profiles, security vulnerabilities, migration complexity assessment, and total estimated annual costs for cloud migrations.</p> <p data-bbox="709 1040 1192 1109">Smart data means you don't have to jump into application migration with a blindfold on.</p> <p data-bbox="693 1182 1407 1214">(https://virtamove.com/solutions/application-discovery/)</p>


Claim	US 9,722,858 Claim Term	Analysis
		<p data-bbox="699 224 1302 472">AI Driven Application Monitoring and Discovery</p> <p data-bbox="699 516 1339 841">With deep data about your server and application profiles, you can achieve effective and optimized migrations that will yield high returns on your migration or modernization investments.</p> <p data-bbox="699 889 1350 1182">Avoid migrating unnecessary applications, eliminate technical pitfalls before, during, and after a migration, and remove best guesses in capacity planning so you don't over or under provision destination servers. Save time and cost from migration start to finish.</p> <p data-bbox="699 1247 1409 1279">(https://virtamove.com/solutions/application-discovery/)</p>

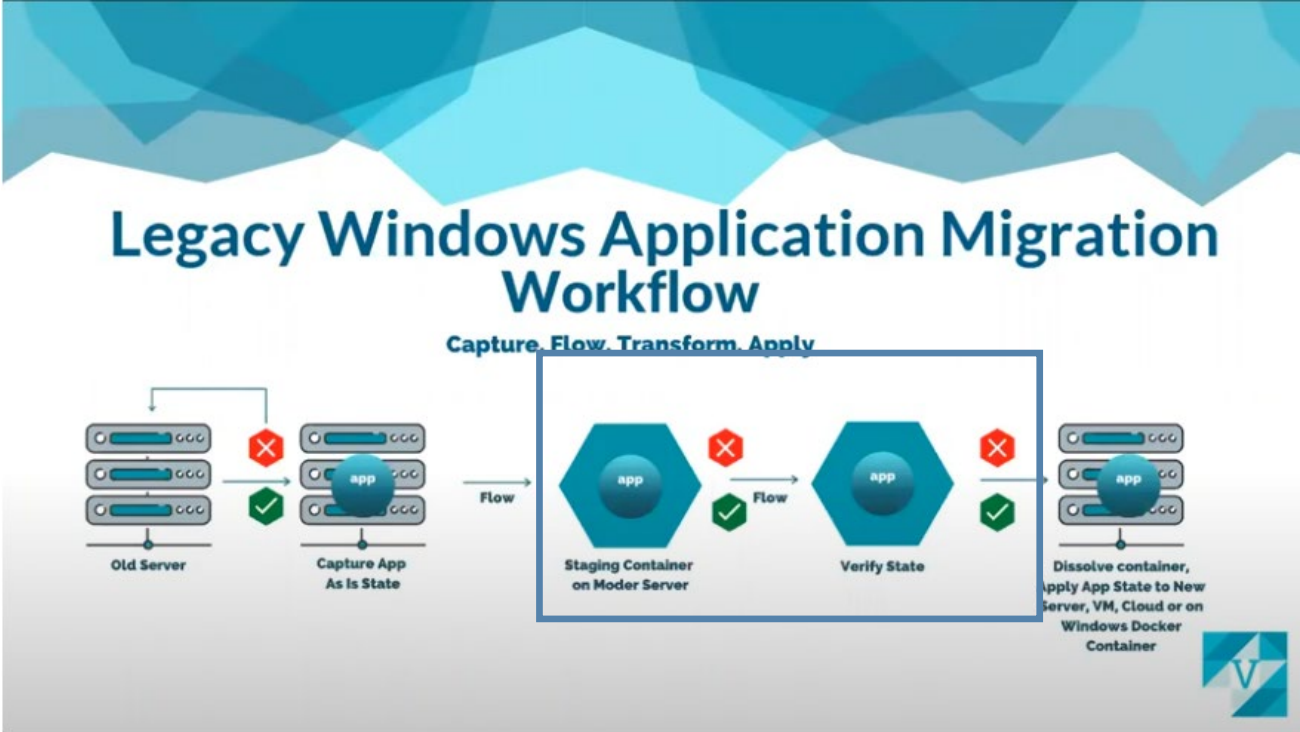
Claim	US 9,722,858 Claim Term	Analysis
		<div data-bbox="688 207 1661 919"><div data-bbox="699 259 1142 894"><p>APPLICATION DISCOVERY ›</p><p>VirtaMove's intelligent application monitoring and discovery removes assumptions and guesswork from application modernization plans and strategy.</p></div><div data-bbox="1182 259 1625 894"><p>MIGRATION STRATEGY ›</p><p>Sophisticated reports and real-time data provide a clear picture of migration candidates and priorities, server profiles, migration complexity scores, and total estimated annual costs for cloud migrations.</p></div></div> <p data-bbox="688 954 1125 987">(https://virtamove.com/solutions/)</p>

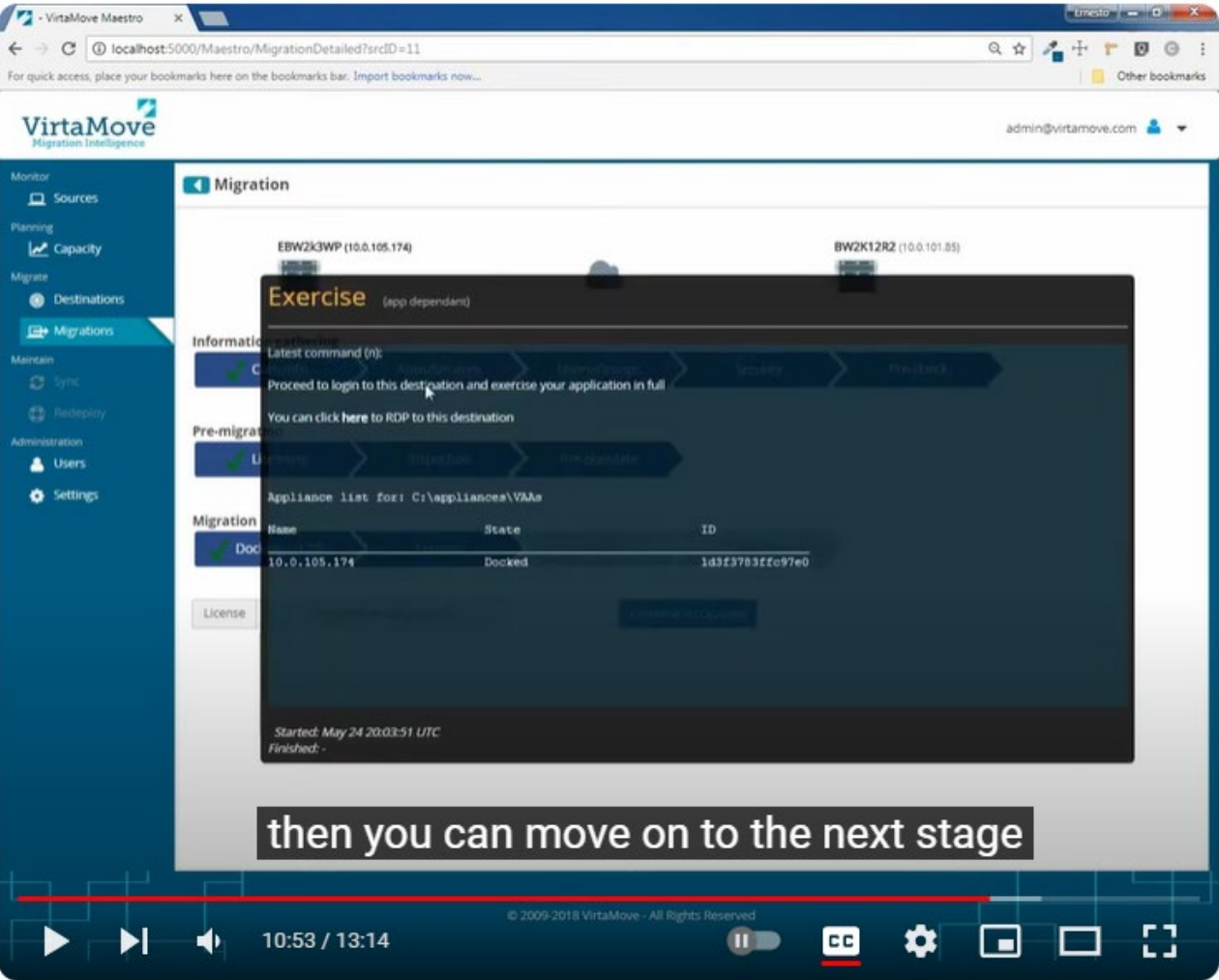
Claim	US 9,722,858 Claim Term	Analysis
		<div data-bbox="693 207 1371 1052"><p>Relearn Your Applications</p><p>A great migration plan starts with understanding your applications and partnering with a migration expert.</p><p>We'll help you select the right applications and remove guesswork from capacity planning so you don't over or under provision destination servers.</p><p>Leverage VirtaMove's expertise and migration assessment to achieve effective and optimized migrations that will yield high returns on your modernization investments.</p></div> <p data-bbox="693 1084 1371 1122">(https://virtamove.com/solutions/migration-strategy/)</p>

Claim	US 9,722,858 Claim Term	Analysis
		<p data-bbox="703 219 1354 365"><i>How Well Do You Know Your Server?</i></p> <p data-bbox="703 414 1354 625">Legacy servers can be difficult to migrate, harboring many unknown elements that can surface after a migration begins.</p> <p data-bbox="703 673 1354 1015">These technical pitfalls can significantly delay a migration and increase costs. Use VirtaMove's technology and expertise to steer your migration project to success, from strategy to completion. At VirtaMove we've migrated tens of thousands of servers across multiple platforms, on-prem or to the cloud.</p> <p data-bbox="703 1063 1354 1258">We can help you determine which applications can and should be migrated, how complex a migration is likely to be, and the internal resources you'll need to successfully migrate your applications.</p> <p data-bbox="703 1307 1354 1347">(https://virtamove.com/solutions/migration-strategy/)</p>

Claim	US 9,722,858 Claim Term	Analysis
		<p>Further evidence showing the Accused Products map non-functional requirements of source and destination infrastructures is found below.</p> <p>Config-on-the-Fly</p> <p> Owned by Thomas Farley (Deactivated) *** Last updated: Mar 28, 2022 • 2 min read</p> <p>Table of Contents</p> <ul style="list-style-type: none"> • Config-on-the-fly Files and Paths • Config-on-the-fly on Demand • Mapping NICs between Source and Destination • COTF Log <hr/> <p>Your container may contain configuration information from another system and this information may not be compatible with the current system. For example, you may need to change IP addresses or hostnames. You can use a Config-on-the-fly file (<i>StandardCOTF.xml</i>) to update the configuration information so that it works with the current system. You may need to update the settings in the configuration file with information from the current system.</p> <p>You specify the Config-on-the-fly file using the  virtapedit command-line utility to update the following property:</p> <pre>1 CPROP_CONFIG_FILE</pre> <p>Container properties (for example, <code>CPROP_SRC_NODENAME</code>) can be used as arguments to the <code>CPROP_CONFIG_FILE</code> property.</p> <p>StandardCOTF.xml is located as follows:</p> <pre>1 C:\appliances\<ContainerName>\COTF\StandardCOTF.xml</pre> <p>You can have multiple COTF files in the COTF folder. For example, one file could be for replacing IP addresses and another one for replacing hostnames. V-Migrate will load the combined COTF information from the files in the folder.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/311263613/Config-on-the-Fly)</p>

Claim	US 9,722,858 Claim Term	Analysis
		<p data-bbox="705 224 1050 264">Encryption Detection</p> <div data-bbox="705 302 1073 347"> Owned by Thomas Farley (Deactivated) *** Last updated: Mar 25, 2022 • 1 min read</div> <p data-bbox="705 384 1974 483">Your container may contain encrypted configuration information from the source machine that is not compatible with the information on the current machine. You can use the virtacryptdetect tool to log the paths of files and registry keys to help you determine which configuration information needs to be modified.</p> <p data-bbox="705 509 911 537">See also virtacotf.</p> <p data-bbox="693 597 1877 631"><u>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/311132174/Encryption+Detection)</u></p> <p data-bbox="693 667 1984 881">“V-Maestro can be thought of as an active CM BD, being able to tell us information about the applications on a server. There are a number of reports that can be made available for project managers and senior level managers. Reports can breakdown which servers are being monitored and how far along in the monitor process we are. <i>All the data can be generated into PDF reports that can be emailed to team members or management, and lets you right-size destination servers and do some capacity planning for an application and destination servers.</i>”</p>

Claim	US 9,722,858 Claim Term	Analysis
		<p>container that you have the ability to <i>verify that the copy of the application taken from the old source operating system functions properly in that new operating system.</i>”</p>  <p>The diagram illustrates the 'Legacy Windows Application Migration Workflow' with the steps: Capture, Flow, Transform, Apply. The process starts on an 'Old Server' where an application is captured 'As Is State'. This state is then 'Flow'ed into a 'Staging Container on Moder Server'. The workflow then moves to 'Verify State' and finally to 'Dissolve container, Apply App State to New server, VM, Cloud or on Windows Docker Container'. Red 'X' marks and green checkmarks indicate success or failure at various stages.</p> <p>(https://www.youtube.com/watch?v=hDb541Ax6xw)</p> <p>“Then you can move onto the next stage: user acceptance testing or the exercise phase. <i>In the exercise step, we move to the destination server and run the application through its bases and confirm that everything is working as expected.</i> Once the application has passed its testing, we can push the application through the dissolve process to have it natively installed on the destination server.”</p>

Claim	US 9,722,858 Claim Term	Analysis
		 <p>(https://www.youtube.com/watch?v=nOIMUwHMvY0)</p> <p>Additional evidence showing VirtaMove’s infringement is found in at least the following documents:</p>

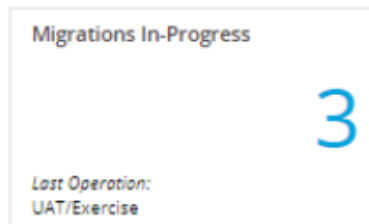
Step 3: Test the Application in the Container



Owned by Thomas Farley (Deactivated) ***
Mar 29, 2022 • 2 min read

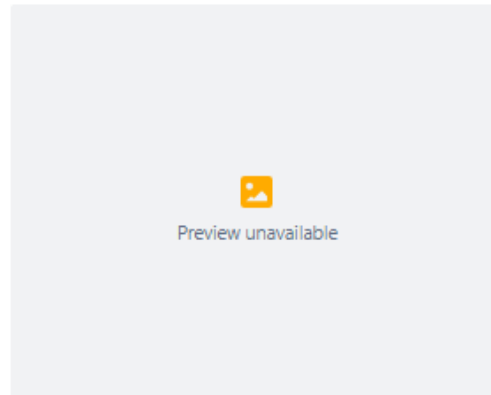
Once the migration container is prepopulated with the application and its dependencies, you can start testing the application in the container to make sure that it performs as expected. The Testing team will exercise the application, which means using all its features and functions so that V-Maestro is able to capture these elements in a complete migration template.

The testing team will RDP into the destination machine to start the application and perform the exercise operation.




To Test the Application

1. In the Destination Details window, click the Actions icon at the top and select **RDP**.



2. In the Remote Desktop Connection window, click **Connect**.
3. On the destination machine, open VirtaMove Administrative Console.
4. Select the container, then click the **Services** tab. Start required services and click **Save** if necessary.
5. When services have started, click **Run** to launch the application.
6. When the application starts, use the application features and functions as much as possible in order to obtain a complete migration template.

Claim	US 9,722,858 Claim Term	Analysis
		<p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314671696/Step+3%3A+Test+the+Application+in+the+Container)</p> <h2 data-bbox="701 321 1003 362">Testing Containers</h2> <div data-bbox="701 397 1066 443">  Owned by Thomas Farley (Deactivated) *** Last updated: Mar 28, 2022 • 2 min read </div> <h3 data-bbox="701 480 879 505">Table of Contents</h3> <ul data-bbox="701 529 1108 695" style="list-style-type: none"> • About Testing Containers <ul style="list-style-type: none"> ◦ Testing Requirements • Testing a Container • What If I Find Problems During Testing? <ul style="list-style-type: none"> ◦ To Delete and Recreate a Container <h2 data-bbox="701 764 1117 805">About Testing Containers</h2> <p data-bbox="701 824 1948 886">You can test a container to make sure that the appliance runs correctly. Testing a container may include testing container services, for example. Once you are satisfied that the container runs correctly, you can then move the appliance to the destination machine.</p> <p data-bbox="701 915 1482 940">You can test an appliance on either the source machine or the destination machine.</p> <h2 data-bbox="701 1003 999 1044">Testing Requirements</h2> <p data-bbox="701 1063 1965 1157">If you are testing on the destination machine, make sure that the environment is configured to meet the configuration requirements of the application or service in the appliance. For more information, see your application documentation for system configuration requirements.</p> <p data-bbox="701 1187 1961 1287">To avoid service conflicts where appliances with services from the source machine already exist on the destination, VirtaMove will display an error message and prevent the local service from starting. You must resolve this conflict by either removing the service from the destination or removing the service from the container.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314114051/Testing+Containers)</p>

The requirements for COM+ and DCOM are as follows.

Requirement	Description
Registry key value <code>Com+Enabled</code>	<p>If the registry key value <code>Com+Enabled</code> in the <code>HKLM\SOFTWARE\Microsoft\COM3</code> registry key is set to 0 (disabled) on the source machine, attempts to connect from the destination machine to the source machine and list COM+ applications on the source machine will result in an error.</p> <p>If <code>Com+Enabled</code> is disabled on the destination machine, it will not be possible to list COM+ applications on the destination machine or install COM+ applications on the destination machine, which means that containers that have COM+ application packages will fail to dock.</p> <p>Additionally, if <code>RemoteAccessEnabled</code> is disabled on the source machine, attempts to connect from the destination machine to the source machine and list COM+ applications on the source machine will result in an error.</p>
Membership in the Distributed COM Users Group	The account used to perform the export (the account specified in the tether credentials) must be a member of the Distributed COM Users group on the source machine. Otherwise, the export will fail .
Configure your firewall to allow DCOM connections	<p>You may need to configure your firewall to allow DCOM connections. For information, see:</p> <p>How to Configure the Firewall to Allow DCOM Connections</p>
<code>AutoShareServer</code> and <code>LocalAccountTokenFilterPolicy</code> registry keys	<p>For less than Windows Server 2008</p> <p>The following key must be set to 1 or undefined:</p> <pre>1 Local SYSTEM\CurrentControlSet\Services\LanmanServer\Parameters\AutoShareServer</pre> <p>For Windows Server 2008 or higher</p> <p>The Remote Account must be the built-in Administrator (not just an Administrator), or the following key must be set to 1 on both the source and destination machine:</p> <pre>1 SOFTWARE\Microsoft\Windows\CurrentVersion\Policies\System\LocalAccountTokenFilterPolicy</pre>
<code>complusnetwork</code> registry key	<p>For Windows Server 2003 Source Machines</p> <p>To ensure that VirtaMove can access COM/COM+ components related to your application, the Application Server Role must be installed and the following key must be enabled (set to 1) on the source server:</p> <pre>1 HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Setup\OC Manager\Subcomponents\compl</pre> <p>A reboot is not required after you change the value of this key.</p> <p>For Windows Server 2008 and Higher Source Machines</p> <p>For Windows Server 2008 and higher source machines, the <code>complusnetwork</code> key does not exist. However, port 135 must be open to allow VirtaMove access to COM/COM+ components. For more information, see: https://technet.microsoft.com/en-us/library/cc731967(v=ws.11).aspx.</p>

Claim	US 9,722,858 Claim Term	Analysis
		(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310477173/COM+and+DCOM+Requirements)
4e	mapping said cloud infrastructure software configurations with said at least one source infrastructure management configuration and said at least one source infrastructure management log.	<p><i>See</i> limitation 1c.</p> <p>For example, the Accused Products provide “Audit Reports,” which involves “mapping said cloud infrastructure configurations with said at least one source infrastructure configuration and said at least one source infrastructure management log.”</p> <p>The “Audit Report” compares configurations of the source and destination machines and/or servers, which necessarily requires “discovering.” Below includes examples of “Audit Report Contents,” but such examples should not be viewed as exclusive or limiting.</p>

Understanding Audit




Owned by Thomas Farley (Deactivated) ***


Last updated: Apr 01, 2022 • 10 min read

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Claim	US 9,722,858 Claim Term	Analysis
		<p data-bbox="688 212 1871 245">https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit)</p> <p data-bbox="705 313 852 345">OS Viable</p> <p data-bbox="705 371 957 404">This is a blocking issue.</p> <p data-bbox="705 430 1969 495">This section indicates whether the operating system version of the destination machine is equal to or greater than the source operating system version.</p> <p data-bbox="705 527 1608 560">If the versions of the operating systems are not viable, contact your system administrator.</p> <p data-bbox="688 615 1927 680">https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#OS-Viable)</p> <p data-bbox="695 719 819 751">Firewall</p> <p data-bbox="695 784 1955 849">This section indicates the firewall state of the three networking profiles (private, domain, public) on the destination and source machines. If the corresponding states differ between the two machines, a warning will be shown here.</p> <p data-bbox="695 881 1923 946">This section may display *Unknown* for the firewall state. This may occur because the source machine is running an older version of Windows Server (2003 or earlier), which has only one network profile.</p> <p data-bbox="695 979 1923 1092">A firewall comparison tool is available if you want to compare firewall rule differences or troubleshoot firewall issues between the source and destination. See Comparing Group Policies between Source and Destination for more information.</p> <p data-bbox="688 1148 1980 1213">https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#Firewall)</p>

Claim	US 9,722,858 Claim Term	Analysis
		<h2 data-bbox="701 212 1159 256">Comparing Firewall Rules</h2> <div data-bbox="701 297 1108 347">  Owned by Thomas Farley (Deactivated) *** Last updated: Dec 04, 2022 • 2 min read </div> <p data-bbox="701 389 1724 456">Audit provides a warning about differences regarding the firewall enable state between the source and destination machine. A Compare Firewall Rules utility lets you compare rule differences.</p> <p data-bbox="701 488 1646 555">The utility is available only for Windows Server 2008 or later because earlier versions of the operating system do not feature additional firewall profiles.</p> <p data-bbox="701 587 1671 654">After you successfully run Audit, a firewall report is generated in the installation directory. For example:</p> <pre data-bbox="701 686 1325 721">1 C:\appliances\MyAppliance\ctrack\Log\AuditFirewall</pre> <p data-bbox="701 813 1948 847">https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310739279/Comparing+Firewall+Rules</p> <h2 data-bbox="701 885 1060 928">Disk Configuration Test</h2> <p data-bbox="701 950 1965 1016">This section provides information on how big the source machine and the destination machine drives are. A warning will be generated if the source machine drive is bigger than the destination machine drive.</p> <p data-bbox="701 1049 1711 1083">This section indicates whether the system drives match on the destination and source machines.</p> <p data-bbox="701 1115 1430 1149">If the system drives do not match, contact your system administrator.</p> <p data-bbox="701 1198 1944 1265">https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#Disk-Configuration-Test</p>

Claim	US 9,722,858 Claim Term	Analysis
		<p>Group Policies</p> <p>This audit is not available on Windows 2000 or earlier. A group policy report will not be generated.</p> <p>The group policy section in the audit report indicates whether group policy information was successfully collected from the source and destination machines. If the audit was successful, then you can perform a group policy comparison using the https://virtamove.atlassian.net/wiki/spaces/VE/pages/309297809/Group+Policy+Comparison+Tool?search_id=8befec8f-bb8f-4f46-ac1d-6efb11f17c83 Can't find link from the Administrative Console. If the audit was not successful, the audit report will indicate why group policy information could not be collected.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#Group-Policies)</p> <p>Comparing Group Policies between Source and Destination</p> <p> Owned by Thomas Farley (Deactivated) *** Last updated: Dec 04, 2022 • 2 min read</p> <p>A Group Policy Comparison utility lets you compare rule differences regarding the group policies between the source and destination machine.</p> <p>The utility is available only for Windows Server 2003 or later.</p> <p>After you successfully run Audit, a group policy report is generated for supported platforms in the installation directory. For example:</p> <pre>1 C:\appliances\MyAppliance\ctrack\Log\AuditGroupPolicies\</pre> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310707046/Comparing+Group+Policies+between+Source+and+Destination)</p>

Claim	US 9,722,858 Claim Term	Analysis
		<p>Port</p> <p>This section of the report indicates the status of the required ports on the source machine.</p> <ul style="list-style-type: none"> • Check that there is connectivity end-to-end from the destination server to the source on port 445. This is a blocking issue if VirtaMove Source Agent is not being used and port 445 is not open. End-to-end means that the port is open at the Windows firewalls, at the cloud-instance firewalls, and at any perimeter firewalls between the two servers. If the use of port 445 is not permitted on the network or is a concern, use a virtual private network (VPN) to establish connectivity between the destination and source machines. • For IIS migrations, make sure that port 80 is open because it is required by Web Deploy. • For migrations that use VirtaMove Source Agent, make sure that port 9665 is open on the source machine. Port 9665 is required to establish a connection to the VirtaMove Source Agent on the source machine. Two inbound rules must be created on the source machine: one for the TCP and one for the UDP port (both 9665). See https://technet.microsoft.com/en-us/library/ms345310(v=sql.100).aspx for more information. <p>VirtaMove Source Agent communicates through TCP port number 9665 by default. You can configure the port number to a different number if required. See VirtaMove Source Agent for more information.</p> <p>If the Audit Report indicates that a required port is closed, makes sure that external nodes between the destination machine and the source machine also permit communication across these ports (port 445, 9665, etc.). For example, if you are migrating to an Amazon Web Services (AWS) managed cloud server, make sure that AWS also has these ports opened.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#Port)</p>

Claim	US 9,722,858 Claim Term	Analysis
		<h2 data-bbox="701 224 1024 267">Config-on-the-Fly</h2> <div data-bbox="701 305 1102 358">  Owned by Thomas Farley (Deactivated) *** Last updated: Mar 28, 2022 • 2 min read </div> <h3 data-bbox="701 394 896 418">Table of Contents</h3> <ul data-bbox="701 451 1232 602" style="list-style-type: none"> • Config-on-the-fly Files and Paths • Config-on-the-fly on Demand • Mapping NICs between Source and Destination • COTF Log <hr data-bbox="701 646 1942 649"/> <p data-bbox="701 695 1942 846">Your container may contain configuration information from another system and this information may not be compatible with the current system. For example, you may need to change IP addresses or hostnames. You can use a Config-on-the-fly file (<i>StandardCOTF.xml</i>) to update the configuration information so that it works with the current system. You may need to update the settings in the configuration file with information from the current system.</p> <p data-bbox="701 873 1898 906">You specify the Config-on-the-fly file using the <code>virtapedit</code> command-line utility to update the following property:</p> <pre data-bbox="701 938 945 971">1 CPROP_CONFIG_FILE</pre> <p data-bbox="701 1008 1934 1040">Container properties (for example, <code>CPROP_SRC_NODENAME</code>) can be used as arguments to the <code>CPROP_CONFIG_FILE</code> property.</p> <p data-bbox="701 1068 1108 1092">StandardCOTF.xml is located as follows:</p> <pre data-bbox="701 1133 1329 1166">1 C:\appliances\<ContainerName>\COTF\StandardCOTF.xml</pre> <p data-bbox="701 1203 1906 1271">You can have multiple COTF files in the COTF folder. For example, one file could be for replacing IP addresses and another one for replacing hostnames. V-Migrate will load the combined COTF information from the files in the folder.</p> <p data-bbox="701 1352 1829 1385">https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/311263613/Config-on-the-Fly</p>

Claim	US 9,722,858 Claim Term	Analysis
		<p>Encryption Detection</p> <p> Owned by Thomas Farley (Deactivated) *** Last updated: Mar 25, 2022 • 1 min read</p> <p>Your container may contain encrypted configuration information from the source machine that is not compatible with the information on the current machine. You can use the virtacryptdetect tool to log the paths of files and registry keys to help you determine which configuration information needs to be modified.</p> <p>See also virtacotf.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/311132174/Encryption+Detection)</p> <p>Viewing Log Files</p> <p> Owned by Thomas Farley (Deactivated) *** Mar 29, 2022 • 2 min read</p> <p>V-Maestro generates log files containing messages that record all types of events, including startup and shutdown information and error and warning messages. This topic describes how to view log files to assist in monitoring system activity and aid in diagnosing and fixing problems.</p> <p>Log files are located in the following location on the V-Maestro machine: VirtaMove/Maestro/logs</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314606288/Viewing+Log+Files)</p>

Viewing Logs and Error Messages



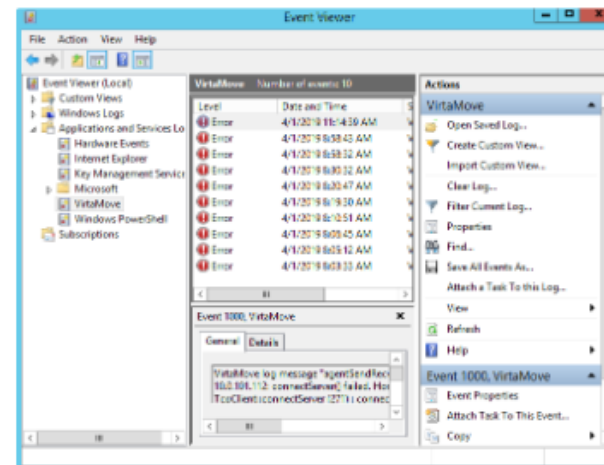
Owned by Thomas Farley (Deactivated) ***
Mar 24, 2022 • 2 min read

Logging settings are created in the Windows Registry when VirtaMove is installed:

`HKEY_LOCAL_MACHINE\SOFTWARE\VirtaMove Settings\Controller]`

`LogProviders=EventLog;File;Console`

Error or debugging messages are output to the Windows Event Viewer, in the category VirtaMove. Click on a log in the Event Viewer to see more information about the log file.



In addition, Activity and Log messages for a container are saved in a text file located in the container `\ctrack` folder.

You can also view logs for a selected container in the **Appliance Logs** tab of the Administrative Console.

To View Logs for a Container

1. In the Administrative Console, select a container.
2. Click the **Appliance Logs** tab.
3. Click one of the following tabs:
 - Audit Report - to view the Audit Report for a container
 - Activity - to view activity logs
 - Error - to view error logs
 - Tether - to view Tether logs
 - IIS Migration - to view information relating to IIS application migration
 - COTF - to view a COTF log file
 - Tether Sync - to view information relating to Tether Sync
 - Compression - to view compression messages
 - Dissolve - to view a Dissolve report for a dissolved container
- If you selected Activity or Error logs, specify a date range, and then click **Load Logs**. Records are returned in the activity window.

Claim	US 9,722,858 Claim Term	Analysis
		(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/313917483/Viewing+Logs+and+Error+Me ssages)
5pre	The non-transitory computer readable medium of claim 4, wherein said mapping of said cloud infrastructure software configurations with said at least one source infrastructure management configuration and said at least one source infrastructure management log is at least partially based on:	<p>The Accused Products comprise a non-transitory computer readable medium as claimed in claim 4. <i>See</i> claim 4.</p> <p>The Accused Products meet the remaining limitations in this claim. <i>See</i> limitations 1a-1c.</p>
5a	said matching of said cloud infrastructure software standards with said at least one source infrastructure management client and said at least one source infrastructure management server, and	<i>See</i> limitation 1b; limitation 1c; limitation 4c.
5b	said mapping of said description of said non-functional requirements of said source management infrastructure with said description of said non-functional requirements of said target management infrastructure.	<i>See</i> limitation 1c; limitation 4d.

Claim	US 9,722,858 Claim Term	Analysis
6pre	The non-transitory computer readable medium of claim 5, wherein:	<p>The Accused Products comprise a non-transitory computer readable medium as claimed in claim 5. <i>See</i> claim 5.</p> <p>The Accused Products meet the remaining limitations in this claim. <i>See</i> limitations 1a-1c.</p>
6a	in said discovering step of said method, said at least one source infrastructure management component further comprises at least one source infrastructure management process;	<i>See</i> limitation 1a.
6b	in said querying step of said method, said description of said target cloud infrastructure further comprises at least one target infrastructure management process; and	<p><i>See</i> limitation 1b.</p> <p>For example, the Accused Products provide a “description of said target cloud infrastructure further compris[ing] at least one target infrastructure management process.”</p>

Viewing Destination Details

TF Owned by Thomas Farley (Deactivated) ***
Mar 29, 2022 • 2 min read

You can view detailed information about a selected destination, such as system information, storage profile, migration status, services, accounts, and applied patches.

To View Destination Details




1. Click **Manage>Destinations**. The Destination Inventory window is displayed.
2. Select a destination in the list by clicking on the hostname or the IP column. The Destination Details window is displayed. V-Maestro displays when the destination was last seen at the top of the window.

The screenshot displays the VirtaMaestro web application interface. The browser address bar shows 'localhost/DestinationDetailed/2'. The page title is 'WIN-R2DHOLTSHT5' with a 'Last Seen: 1 minutes ago' timestamp. The interface is divided into several sections:

- Destination System Information:**
 - IP Address: 10.0.103.209
 - OS: Windows 2019
 - Group: N/A
 - CPU: Intel(R) Core(TM) i5-8300
 - Source: + Assign
 - CPU @ 2.90GHz
 - Memory: 4.00 GB
- Storage Profile - 1 disks:**
 - 1 System Disk
 - 0 Storage Disks
 - System Disk: 70.6 GB Free / 99.5 GB
 - N/A
- Migrations Complete:** 0
- Migrations In-Progress:** 0
- Required Storage Profile to Dissolve VAA:** No dissolve information available

Below these sections is a table of services:

Service	Status	Start Type	User Name	Description
ActiveX Installer (AdmSvc)	Stopped	Disabled	LocalSystem	Provides User Account Control validation for the installation of ActiveX controls from the Internet and enables management of ActiveX control installation based on Group Policy settings. This service is started on demand and if disabled the installation of ActiveX controls will be unable according to default browser settings.
AIJoin Router Service	Stopped	Manual	NT AUTHORITY\LocalService	Routes AIJoin messages for the local AIJoin clients. If this service is stopped the AIJoin clients that do not have their own bundled routers will be unable to run.
App Readiness	Stopped	Manual	LocalSystem	Gets apps ready for use the first time a user signs in to this PC and when adding new apps.
Application Identity	Stopped	Manual	NT Authority\LocalService	Determines and verifies the identity of an application. Disabling this service will prevent AppLocker from being enforced.
Application Information	Stopped	Manual	LocalSystem	Facilitates the running of interactive applications with additional administrative privileges. If this service is stopped, users will be unable to launch applications with the additional administrative privileges they may require to perform desired user tasks.
Application Layer Gateway Service	Stopped	Manual	NT AUTHORITY\LocalService	Provides support for 3rd party protocol plug-ins for Internet Connect on Sharing.

Claim	US 9,722,858 Claim Term	Analysis																
		<p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314868022/Viewing+Destination+Details)</p> <p>The following table lists the elements in the Destination Details window.</p> <table><tr><th>Item</th><th>Description</th></tr><tr><td>Destination System Information card</td><td>Displays information about the system of the destination:<ul style="list-style-type: none">• IP Address• OS• Any group assigned to the source• CPU• Source. You can assign a destination to a source by clicking Assign.• Memory</td></tr><tr><td>Storage Profile card</td><td>Displays the number of system disks and storage disks, and the amount of free disk space. Click the toggle icon in the top right of the panel to change the view.</td></tr><tr><td>Migrations Complete card</td><td>Displays the number of applications migrated to this destination.</td></tr><tr><td>Migrations In-Progress card</td><td>Displays the number of migrations that are in progress for this destination, and the last operation.</td></tr><tr><td>Required Storage Profile to Dissolve VAA card</td><td>Displays the storage that is required to dissolve the container, if this information is available.</td></tr><tr><td>Filter</td><td>Lets you filter the list of destinations by OS, assigned group, or IP/hostname.</td></tr><tr><td></td><td>These icons let you perform tasks for the destination. From left to right:<ul style="list-style-type: none">• View services on the destination• View user and group accounts associated with the destination• View patches applied to the destination</td></tr></table> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314868022/Viewing+Destination+Details)</p>	Item	Description	Destination System Information card	Displays information about the system of the destination: <ul style="list-style-type: none">• IP Address• OS• Any group assigned to the source• CPU• Source. You can assign a destination to a source by clicking Assign.• Memory	Storage Profile card	Displays the number of system disks and storage disks, and the amount of free disk space. Click the toggle icon in the top right of the panel to change the view.	Migrations Complete card	Displays the number of applications migrated to this destination.	Migrations In-Progress card	Displays the number of migrations that are in progress for this destination, and the last operation.	Required Storage Profile to Dissolve VAA card	Displays the storage that is required to dissolve the container, if this information is available.	Filter	Lets you filter the list of destinations by OS, assigned group, or IP/hostname.		These icons let you perform tasks for the destination. From left to right: <ul style="list-style-type: none">• View services on the destination• View user and group accounts associated with the destination• View patches applied to the destination
Item	Description																	
Destination System Information card	Displays information about the system of the destination: <ul style="list-style-type: none">• IP Address• OS• Any group assigned to the source• CPU• Source. You can assign a destination to a source by clicking Assign.• Memory																	
Storage Profile card	Displays the number of system disks and storage disks, and the amount of free disk space. Click the toggle icon in the top right of the panel to change the view.																	
Migrations Complete card	Displays the number of applications migrated to this destination.																	
Migrations In-Progress card	Displays the number of migrations that are in progress for this destination, and the last operation.																	
Required Storage Profile to Dissolve VAA card	Displays the storage that is required to dissolve the container, if this information is available.																	
Filter	Lets you filter the list of destinations by OS, assigned group, or IP/hostname.																	
	These icons let you perform tasks for the destination. From left to right: <ul style="list-style-type: none">• View services on the destination• View user and group accounts associated with the destination• View patches applied to the destination																	


Viewing Discovered Destinations


You can filter discovered destinations, assign a destination to a source, and delete destinations. You can also view and export reports.

You can perform the following actions for selected destinations:

- View details about the destination
- Exclude a destination from the list
- Re-authenticate the destination
- RDP into the destination
- Assign a source to a destination
- Hide destinations and view all hidden destinations

The following table lists the elements in the Destination Inventory window.

Item	Description
Discovered card	Displays the number of discovered destinations.
No Assigned Source card	Displays the number of discovered destination machines that have not been assigned or mapped to a source.
Audit Failed card	Display the number of discovered destinations that have Audit issues.
Filter	Lets you filter the list of destinations by OS, assigned group, or IP/hostname.
	Click the more actions icon to perform more actions on a selected destination. From top to bottom: <ul style="list-style-type: none"> • View details of a selected destination. • Exclude a destination from the view. • Reauthenticate a selected destination. • RDP to a selected destination.
 	From left to right, hide a selected destination or delete a selected destination.
  	Lets you perform tasks. From left to right: <ul style="list-style-type: none"> • Add a destination • Get a report of listed destinations • Perform additional tasks, such as export a report and view hidden destinations.

Claim	US 9,722,858 Claim Term	Analysis
		<p data-bbox="688 215 1990 280">https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314606009/Viewing+Your+Destination+Inventory</p> <h3 data-bbox="709 321 1402 370">Discovering Your Inventory Patch Level</h3> <div data-bbox="709 410 1108 459"> Owned by Thomas Farley (Deactivated) *** Mar 29, 2022 • 2 min read</div> <p data-bbox="709 500 1948 605">V-Maestro periodically scans all known source and destination servers to find missing OS updates. It reports this information on the Inventory Patch Level window, for each server. Click on an update in the Missing Updates column to view patch details.</p> <p data-bbox="688 670 1990 735">https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314867812/Discovering+Your+Inventory+Patch+Level</p>

Using the Patches View for Destinations



Owned by Thomas Farley (Deactivated) ***
Mar 29, 2022 • 1 min read

The **Patches** view of the Destination Details window displays a list of patches that were applied to a destination.

To View Patches Applied to a Destination

1. Click **Manage>Destinations**. The Destination Inventory window displays.
2. Select a destination. The Destination Details window displays.
3. Click the **Patches** icon in the Destination Details window.





Filter by OS, Group, IP/Hostname


HotFix ID	Installed By	Installed On
KB4462930	WIN-R2DHOLTSHT5\Administrator	2018-11-21
KB4465664	NT AUTHORITY\SYSTEM	2018-11-21
KB4470788	NT AUTHORITY\SYSTEM	2019-01-15
KB4477029	WIN-R2DHOLTSHT5\Administrator	2018-11-21
KB4480056	WIN-R2DHOLTSHT5\Administrator	2019-01-15
KB4480979	WIN-R2DHOLTSHT5\Administrator	2019-01-15
KB4516115	WIN-R2DHOLTSHT5\Administrator	2020-01-16

Claim	US 9,722,858 Claim Term	Analysis
		<u>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314638864/Using+the+Patches+View+for+Destinations)</u>

Claim	US 9,722,858 Claim Term	Analysis																
		<h2>Using the Users and Groups View for Destinations</h2> <div><div><div>TF</div><div>Owned by Thomas Farley (Deactivated) *** Last updated: Mar 29, 2022 • 1 min read</div></div><p>The Users view of the Destination Details window displays a list of user and group accounts associated with a destination.</p><h3>To View Accounts on a Destination</h3><ol style="list-style-type: none">1. Click Manage>Destinations. The Destination Inventory window displays.2. Select a destination. The Destination Details window displays.3. Click the Users icon in the Destination Details window.<div><div><div><div><div></div><div></div><div></div></div><div>Filter by OS, Group, IP/Hostname</div><div><div>ALL</div><div></div><div></div></div></div></div><table><thead><tr><th>Account Name</th><th>Type</th></tr></thead><tbody><tr><td>Access Control Assistance Operators</td><td> Group</td></tr><tr><td>Administrator</td><td> User</td></tr><tr><td>Administrators</td><td> Group</td></tr><tr><td>Backup Operators</td><td> Group</td></tr><tr><td>Certificate Service DCOM Access</td><td> Group</td></tr><tr><td>Cryptographic Operators</td><td> Group</td></tr><tr><td>DefaultAccount</td><td> User</td></tr></tbody></table></div></div>	Account Name	Type	Access Control Assistance Operators	Group	Administrator	User	Administrators	Group	Backup Operators	Group	Certificate Service DCOM Access	Group	Cryptographic Operators	Group	DefaultAccount	User
Account Name	Type																	
Access Control Assistance Operators	Group																	
Administrator	User																	
Administrators	Group																	
Backup Operators	Group																	
Certificate Service DCOM Access	Group																	
Cryptographic Operators	Group																	
DefaultAccount	User																	

Claim	US 9,722,858 Claim Term	Analysis
		<p data-bbox="695 212 1986 280"><u>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314900661/Using+the+Users+and+Groups+View+for+Destinations)</u></p> <h2 data-bbox="716 337 1346 380">Discovering Capacity Requirements</h2> <div data-bbox="716 418 1115 472"> Owned by Thomas Farley (Deactivated) *** Mar 29, 2022 • 1 min read</div> <p data-bbox="716 509 1940 578">The Capacity Requirements window displays a summary of capacity information for discovered sources so you can plan appropriately for capacity required on destination servers.</p> <p data-bbox="716 610 1614 638">Click Discover>Capacity Requirements. The Capacity Requirements page is displayed.</p> <p data-bbox="716 667 1940 735">To view recommended sizing options for a dissolve-ready migration to the destination, click the plus icon for a selected source. To hide the options, click the icon again.</p> <p data-bbox="695 792 1976 860"><u>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314671412/Discovering+Capacity+Requirements)</u></p> <p data-bbox="695 898 1982 1003">The Accused Products provide “Audit Reports” using a “description of a target cloud infrastructure.” Below includes examples of “Audit Report Contents,” but such examples should not be viewed as exclusive or limiting.</p>

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		<p>Understanding Audit</p> <p> Owned by Thomas Farley (Deactivated) *** Last updated: Apr 01, 2022 • 10 min read</p> <p>Table of Contents</p> <ul style="list-style-type: none"> • Running a Pre-Migration Audit <ul style="list-style-type: none"> ◦ Running Audit from the Administrative Console • Audit Report Contents <ul style="list-style-type: none"> ◦ Administrative Accounts ◦ Blank Password Match ◦ CPU Type ◦ Cached Logons ◦ COMPlus ◦ Computer Name Test ◦ Disk Configuration Test ◦ Dock Intercept ◦ Domain Controller ◦ Domain Test ◦ DotNet ◦ FIPS ◦ Firewall ◦ Group Policies ◦ IIS ◦ LAN Manager ◦ Network Identity Cards ◦ OS Viable ◦ Port <ul style="list-style-type: none"> ▪ Open Ports on the Destination Machine Firewall ◦ RAM ◦ Remote Access <ul style="list-style-type: none"> ▪ Remote Administrative Shares Enabled ◦ System Roots ◦ System Types ◦ Windows2k <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit)</p>
6c	said analyzing step of said method further comprises mapping said at least one source	See limitation 1c; limitations 4c-4e.

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	infrastructure management process with said at least one target infrastructure management process.	<p>For example, the Accused Products provide “Audit Reports,” which involve “mapping said at least one source infrastructure management process with said at least one target infrastructure management process.”</p> <p>Understanding Audit</p> <p> Owned by Thomas Farley (Deactivated) *** Last updated: Apr 01, 2022 • 10 min read</p> <p>Table of Contents</p> <ul style="list-style-type: none"> • Running a Pre-Migration Audit <ul style="list-style-type: none"> ◦ Running Audit from the Administrative Console • Audit Report Contents <ul style="list-style-type: none"> ◦ Administrative Accounts ◦ Blank Password Match ◦ CPU Type ◦ Cached Logons ◦ COMPlus ◦ Computer Name Test ◦ Disk Configuration Test ◦ Dock Intercept ◦ Domain Controller ◦ Domain Test ◦ DotNet ◦ FIPS ◦ Firewall ◦ Group Policies ◦ IIS ◦ LAN Manager ◦ Network Identity Cards ◦ OS Viable ◦ Port <ul style="list-style-type: none"> ▪ Open Ports on the Destination Machine Firewall ◦ RAM ◦ Remote Access <ul style="list-style-type: none"> ▪ Remote Administrative Shares Enabled ◦ System Roots ◦ System Types ◦ Windows2k

Claim	US 9,722,858 Claim Term	Analysis
		<p data-bbox="688 212 1871 245">https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit)</p> <p data-bbox="705 313 852 345">OS Viable</p> <p data-bbox="705 371 957 404">This is a blocking issue.</p> <p data-bbox="705 430 1969 495">This section indicates whether the operating system version of the destination machine is equal to or greater than the source operating system version.</p> <p data-bbox="705 527 1608 560">If the versions of the operating systems are not viable, contact your system administrator.</p> <p data-bbox="688 615 1927 680">https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#OS-Viable)</p> <p data-bbox="695 719 819 751">Firewall</p> <p data-bbox="695 784 1955 849">This section indicates the firewall state of the three networking profiles (private, domain, public) on the destination and source machines. If the corresponding states differ between the two machines, a warning will be shown here.</p> <p data-bbox="695 881 1921 946">This section may display *Unknown* for the firewall state. This may occur because the source machine is running an older version of Windows Server (2003 or earlier), which has only one network profile.</p> <p data-bbox="695 979 1925 1092">A firewall comparison tool is available if you want to compare firewall rule differences or troubleshoot firewall issues between the source and destination. See Comparing Group Policies between Source and Destination for more information.</p> <p data-bbox="688 1148 1982 1213">https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#Firewall)</p>

Claim	US 9,722,858 Claim Term	Analysis
		<p data-bbox="703 215 882 256">COMPlus</p> <p data-bbox="703 293 1029 326">This is a blocking issue.</p> <p data-bbox="703 367 1638 399">Note: This check is not performed for Windows Server 2000 migrations.</p> <p data-bbox="703 440 1953 521">This section indicates whether COM+ is enabled, COM+ access is enabled, and whether Remote COM+ Network is enabled.</p> <p data-bbox="693 594 1869 626">https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit)</p> <p data-bbox="703 667 1060 708">Disk Configuration Test</p> <p data-bbox="703 732 1969 805">This section provides information on how big the source machine and the destination machine drives are. A warning will be generated if the source machine drive is bigger than the destination machine drive.</p> <p data-bbox="703 829 1711 862">This section indicates whether the system drives match on the destination and source machines.</p> <p data-bbox="703 894 1428 927">If the system drives do not match, contact your system administrator.</p> <p data-bbox="693 984 1948 1049">https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#Disk-Configuration-Test)</p>

Claim	US 9,722,858 Claim Term	Analysis
		<p>Group Policies</p> <p>This audit is not available on Windows 2000 or earlier. A group policy report will not be generated.</p> <p>The group policy section in the audit report indicates whether group policy information was successfully collected from the source and destination machines. If the audit was successful, then you can perform a group policy comparison using the https://virtamove.atlassian.net/wiki/spaces/VE/pages/309297809/Group+Policy+Comparison+Tool?search_id=8befec8f-bb8f-4f46-ac1d-6efb11f17c83 Can't find link from the Administrative Console. If the audit was not successful, the audit report will indicate why group policy information could not be collected.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#Group-Policies)</p>

Claim	US 9,722,858 Claim Term	Analysis
		<p>IIS</p> <p>This section indicates whether Microsoft Web Deploy is installed on the destination and source machines.</p> <p>Web Deploy 3.5 or higher is required on the source machine for IIS web application migrations. Web Deploy is a tool that simplifies migration, management, and deployment of IIS web servers and web applications. You must install Web Deploy on the source machine, selecting "complete" or full mode at installation time. VirtaMove will automatically install Web Deploy on the destination machine.</p> <p>If Web Deploy 3.0 was installed on the source server and you subsequently installed Web Deploy 3.5 or higher in order to successfully migrate your application after the source and destination machines are connected via VirtaMove Source Agent, you will need to run</p> <pre data-bbox="716 800 1959 867">1 virtatetheradmin <machine name> /C</pre> <p>on the destination server so that the destination server will recognize the new installation of Web Deploy on the source server. It indicates whether Web Deployment Agent is installed and started.</p> <p>Microsoft IIS applications use port 80 by default. This section indicates whether port 80 is open on the source machine.</p> <p>If a required port is not open, you must open the port. For information about how to open a port, see for example: How can I open or forward a port on my router?</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit)</p>

Remote Access

This is a blocking issue.

If the VirtaMove Source Agent is active, the Remote Access test is not performed.

Remote Access must be enabled to accept COM requests and may be required for DCOM.

To enable remote access, the registry key values `Com+Enabled` and `RemoteAccessEnabled` must be set to `1` in the `HKLM\SOFTWARE\Microsoft\COM3` registry key on the source machine. The Remote Access enabled value is used in the [COMPlus](#) check. Enable the key as follows:

1. Start Registry Editor.
2. Locate and click the following key in the registry: `HKEY_LOCAL_MACHINE\Software\Microsoft\COM3`
3. Set the registry key value `RemoteAccessEnabled` to `1`
4. Set the registry key value `Com+Enabled` to `1`.
5. Quit Registry Editor.

For less than Windows Server 2008

The following key must be set to 1 or undefined:

```
1 Local SYSTEM\CurrentControlSet\Services\LanmanServer\Parameters\AutoShareServer
```

For Windows Server 2008 or higher

The Remote Account must be the built-in Administrator (not just an Administrator), or the following key must be set to 1 on both the source and destination machine:


```
1 SOFTWARE\Microsoft\Windows\CurrentVersion\Policies\System\LocalAccountTokenFilterPolicy
```



Remote Administrative Shares Enabled

Remote administrative shares (such as c\$, d\$, etc.) must be enabled in the registry on the source machine. Administrative shares must be enabled to copy data over the network.

If remote administrative shares are disabled, contact your system administrator.

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		<p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit)</p> <p>Additional evidence showing VirtaMove’s infringement is found in at least the following documents:</p> <p>If you select a service and the service already exists on the underlying operating system, the Source Status column will display "CONFLICT". Resolve the conflict and then press F5 to refresh the list.</p> <p>If you hover over a service in the list, a tooltip will display which selected service, if any, requires this service.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/311132184/Migrating+an+Application+Using+the+VirtaMove+Administrative+Console)</p>
7	<p>The non-transitory computer readable medium of claim 6, wherein said mapping of said at least one source infrastructure management process with said at least one target infrastructure management process is at least partially based on said mapping of said description of said non-functional requirements of said source management infrastructure with said description of said non-functional requirements of said target management infrastructure.</p>	<p>The Accused Products comprise a non-transitory computer readable medium as claimed in claim 6. <i>See</i> claim 6.</p> <p>The Accused Products meet the remaining limitations in this claim. <i>See</i> limitations 1c; limitation 4d; limitations 6c.</p> <p>For example, the Accused Products provide “Audit Reports,” “wherein said mapping of said at least one source infrastructure management process with said at least one target infrastructure management process is at least partially based on said mapping of said description of said non-functional requirements of said source management infrastructure with said description of said non-functional requirements of said target management infrastructure.”</p>

Claim	US 9,722,858 Claim Term	Analysis
		<p>Understanding Audit</p> <p> Owned by Thomas Farley (Deactivated) *** Last updated: Apr 01, 2022 • 10 min read</p> <p>Table of Contents</p> <ul style="list-style-type: none">• Running a Pre-Migration Audit<ul style="list-style-type: none">◦ Running Audit from the Administrative Console• Audit Report Contents<ul style="list-style-type: none">◦ Administrative Accounts◦ Blank Password Match◦ CPU Type◦ Cached Logons◦ COMPlus◦ Computer Name Test◦ Disk Configuration Test◦ Dock Intercept◦ Domain Controller◦ Domain Test◦ DotNet◦ FIPS◦ Firewall◦ Group Policies◦ IIS◦ LAN Manager◦ Network Identity Cards◦ OS Viable◦ Port<ul style="list-style-type: none">▪ Open Ports on the Destination Machine Firewall◦ RAM◦ Remote Access<ul style="list-style-type: none">▪ Remote Administrative Shares Enabled◦ System Roots◦ System Types◦ Windows2k <p>https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit</p>

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		<h3 data-bbox="709 224 1121 261">Comparing Firewall Rules</h3> <div data-bbox="709 302 1075 342">  Owned by Thomas Farley (Deactivated) *** Last updated: Dec 04, 2022 • 2 min read </div> <p data-bbox="709 378 1896 440">Audit provides a warning about differences regarding the firewall enable state between the source and destination machine. A Compare Firewall Rules utility lets you compare rule differences.</p> <p data-bbox="709 469 1871 531">The utility is available only for Windows Server 2008 or later because earlier versions of the operating system do not feature additional firewall profiles.</p> <p data-bbox="709 560 1673 584">After you successfully run Audit, a firewall report is generated in the installation directory. For example:</p> <div data-bbox="716 605 1953 659"> <pre data-bbox="716 621 1272 643">1 C:\appliances\MyAppliance\ctrack\Log\AuditFirewall</pre> </div> <p data-bbox="688 724 1948 756">(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310739279/Comparing+Firewall+Rules)</p> <h3 data-bbox="709 813 1686 850">Comparing Group Policies between Source and Destination</h3> <div data-bbox="709 891 1081 932">  Owned by Thomas Farley (Deactivated) *** Last updated: Dec 04, 2022 • 2 min read </div> <p data-bbox="709 967 1866 1029">A Group Policy Comparison utility lets you compare rule differences regarding the group policies between the source and destination machine.</p> <p data-bbox="709 1058 1283 1083">The utility is available only for Windows Server 2003 or later.</p> <p data-bbox="709 1112 1883 1174">After you successfully run Audit, a group policy report is generated for supported platforms in the installation directory. For example:</p> <div data-bbox="716 1195 1969 1250"> <pre data-bbox="716 1211 1341 1232">1 C:\appliances\MyAppliance\ctrack\Log\AuditGroupPolicies\</pre> </div> <p data-bbox="688 1304 1976 1373">(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310707046/Comparing+Group+Policies+between+Source+and+Destination)</p>

Claim	US 9,722,858 Claim Term	Analysis								
		<div><h3>COM+ and DCOM Requirements</h3><div><div>TF</div><div><div>Owned by Thomas Farley (Deactivated) ***</div><div>Mar 02, 2022 • 2 min read</div></div></div><p>The requirements for COM+ and DCOM are as follows.</p><table><tr><th>Requirement</th><th>Description</th></tr><tr><td>Registry key value <code>Com+Enabled</code></td><td><p>If the registry key value <code>Com+Enabled</code> in the <code>HKLM\SOFTWARE\Microsoft\COM3</code> registry key is set to 0 (disabled) on the source machine, attempts to connect from the destination machine to the source machine and list COM+ applications on the source machine will result in an error.</p><p>If <code>Com+Enabled</code> is disabled on the destination machine, it will not be possible to list COM+ applications on the destination machine or install COM+ applications on the destination machine, which means that containers that have COM+ application packages will fail to dock.</p><p>Additionally, if <code>RemoteAccessEnabled</code> is disabled on the source machine, attempts to connect from the destination machine to the source machine and list COM+ applications on the source machine will result in an error.</p></td></tr><tr><td>Membership in the Distributed COM Users Group</td><td>The account used to perform the export (the account specified in the tether credentials) must be a member of the Distributed COM Users group on the source machine. Otherwise, the export will fail.</td></tr><tr><td>Configure your firewall to allow DCOM connections</td><td><p>You may need to configure your firewall to allow DCOM connections. For information, see:</p><div>🔗 How to Configure the Firewall to Allow DCOM Connections</div></td></tr></table><p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310477173/COM+and+DCOM+Requirements)</p></div>	Requirement	Description	Registry key value <code>Com+Enabled</code>	<p>If the registry key value <code>Com+Enabled</code> in the <code>HKLM\SOFTWARE\Microsoft\COM3</code> registry key is set to 0 (disabled) on the source machine, attempts to connect from the destination machine to the source machine and list COM+ applications on the source machine will result in an error.</p> <p>If <code>Com+Enabled</code> is disabled on the destination machine, it will not be possible to list COM+ applications on the destination machine or install COM+ applications on the destination machine, which means that containers that have COM+ application packages will fail to dock.</p> <p>Additionally, if <code>RemoteAccessEnabled</code> is disabled on the source machine, attempts to connect from the destination machine to the source machine and list COM+ applications on the source machine will result in an error.</p>	Membership in the Distributed COM Users Group	The account used to perform the export (the account specified in the tether credentials) must be a member of the Distributed COM Users group on the source machine. Otherwise, the export will fail .	Configure your firewall to allow DCOM connections	<p>You may need to configure your firewall to allow DCOM connections. For information, see:</p> <div>🔗 How to Configure the Firewall to Allow DCOM Connections</div>
Requirement	Description									
Registry key value <code>Com+Enabled</code>	<p>If the registry key value <code>Com+Enabled</code> in the <code>HKLM\SOFTWARE\Microsoft\COM3</code> registry key is set to 0 (disabled) on the source machine, attempts to connect from the destination machine to the source machine and list COM+ applications on the source machine will result in an error.</p> <p>If <code>Com+Enabled</code> is disabled on the destination machine, it will not be possible to list COM+ applications on the destination machine or install COM+ applications on the destination machine, which means that containers that have COM+ application packages will fail to dock.</p> <p>Additionally, if <code>RemoteAccessEnabled</code> is disabled on the source machine, attempts to connect from the destination machine to the source machine and list COM+ applications on the source machine will result in an error.</p>									
Membership in the Distributed COM Users Group	The account used to perform the export (the account specified in the tether credentials) must be a member of the Distributed COM Users group on the source machine. Otherwise, the export will fail .									
Configure your firewall to allow DCOM connections	<p>You may need to configure your firewall to allow DCOM connections. For information, see:</p> <div>🔗 How to Configure the Firewall to Allow DCOM Connections</div>									

Claim	US 9,722,858 Claim Term	Analysis
8pre	The non-transitory computer readable medium of claim 2, wherein:	The Accused Products comprise a non-transitory computer readable medium as claimed in claim 2. <i>See</i> claim 2.
8a	in said querying step of said method, said description of said target cloud infrastructure comprises at least one of: cloud infrastructure software standards; and cloud infrastructure software configurations;	<i>See</i> limitations 1b; limitation 4b.
8b	said analyzing step of said method comprises: matching said cloud infrastructure software standards with at least a corresponding one of: said at least one source infrastructure management client; and said at least one source infrastructure management server, and mapping said cloud infrastructure software configurations with said	<i>See</i> limitations 1c; limitation 4c-4e.

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	at least one source infrastructure management configuration	
9	The non-transitory computer readable medium of claim 8, wherein said mapping of said cloud infrastructure software configurations with said at least one source infrastructure management configuration is at least partially based on said matching of said cloud infrastructure software standards with said at least one source infrastructure management client and said at least one source infrastructure management server.	<p>The Accused Products comprise a non-transitory computer readable medium as claimed in claim 8. <i>See</i> claim 8.</p> <p>The Accused Products meet the remaining limitations of this claim. <i>See</i> limitation 1c; limitations 4c-4e.</p> <p>For example, the Accused Products “assign a destination to a specific source machine.”</p>

Assigning a Destination to a Source



Owned by Thomas Farley (Deactivated) ***
Mar 29, 2022 • 1 min read

You can assign a destination to a specific source machine.

To Assign a Destination to a Source

1. Click **Manage > Destinations**. The Destination Inventory window is displayed.
2. In the **Source Hostname** column, click **Assign**. The Assign a Source window is displayed.

Assign a Source

Please select a source machine to assign to this destination

Filter by OS, Desc, IP/Hostname

Source HostName	IP Address	Match Type	
bw2k3/2v86	10.0.103.112	Virtual	Select
DEV-VMApache02	10.0.50.16	Virtual	Select
DEV-VMApache04	10.0.50.17	Virtual	Select
DEV-VMBitName	10.0.50.26	Virtual	Select
DEV-VMBugzilla1	10.0.50.27	Virtual	Select
DEV-VMBUGZILLA2	10.0.50.28	Virtual	Select
DEV-VMDest05	10.0.50.20	Virtual	Select
DEV-VMDBUPAL	10.0.50.38	Virtual	Select
DEV-VMOffice2k7	10.0.50.39	Virtual	Select
DEV-VMWin02	10.0.50.29	Virtual	Select

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Cancel
Continue

3. Select a source by clicking **Select**. You can scroll through the list of source hostnames if necessary or filter the list. Click **Continue**. A message displays whether the mapping was successful.
4. Click **Close**.
The source you mapped is now displayed in the **Source Hostname** column for the destination in the Destination Inventory window.

Claim	US 9,722,858 Claim Term	Analysis
		<p data-bbox="690 215 1990 280"><u>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314966212/Assigning+a+Destination+to+a+Source)</u></p> <p data-bbox="690 321 1990 500">The “Audit Report” maps configurations of the source and destination machines and/or servers, which inherently involves “matching of said cloud infrastructure software standards with said at least one source infrastructure management client and said at least one source infrastructure management server.” Below includes examples of “Audit Report Contents,” but such examples should not be viewed as exclusive or limiting.</p>

Understanding Audit




Owned by Thomas Farley (Deactivated) ***
Last updated: Apr 01, 2022 • 10 min read


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Claim	US 9,722,858 Claim Term	Analysis
		<p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit)</p> <p>OS Viable</p> <p>This is a blocking issue.</p> <p>This section indicates whether the operating system version of the destination machine is equal to or greater than the source operating system version.</p> <p>If the versions of the operating systems are not viable, contact your system administrator.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#OS-Viable)</p> <p>Firewall</p> <p>This section indicates the firewall state of the three networking profiles (private, domain, public) on the destination and source machines. If the corresponding states differ between the two machines, a warning will be shown here.</p> <p>This section may display *Unknown* for the firewall state. This may occur because the source machine is running an older version of Windows Server (2003 or earlier), which has only one network profile.</p> <p>A firewall comparison tool is available if you want to compare firewall rule differences or troubleshoot firewall issues between the source and destination. See Comparing Group Policies between Source and Destination for more information.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#Firewall)</p>

Claim	US 9,722,858 Claim Term	Analysis
		<h2 data-bbox="701 212 1159 256">Comparing Firewall Rules</h2> <div data-bbox="701 297 1108 347">  Owned by Thomas Farley (Deactivated) *** Last updated: Dec 04, 2022 • 2 min read </div> <p data-bbox="701 389 1724 456">Audit provides a warning about differences regarding the firewall enable state between the source and destination machine. A Compare Firewall Rules utility lets you compare rule differences.</p> <p data-bbox="701 488 1646 555">The utility is available only for Windows Server 2008 or later because earlier versions of the operating system do not feature additional firewall profiles.</p> <p data-bbox="701 587 1671 654">After you successfully run Audit, a firewall report is generated in the installation directory. For example:</p> <pre data-bbox="701 695 1327 721">1 C:\appliances\MyAppliance\ctrack\Log\AuditFirewall</pre> <p data-bbox="688 813 1948 846">https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310739279/Comparing+Firewall+Rules</p> <h2 data-bbox="701 886 879 927">COMPlus</h2> <p data-bbox="701 963 1026 995">This is a blocking issue.</p> <p data-bbox="701 1036 1638 1068">Note: This check is not performed for Windows Server 2000 migrations.</p> <p data-bbox="701 1109 1948 1192">This section indicates whether COM+ is enabled, COM+ access is enabled, and whether Remote COM+ Network is enabled.</p> <p data-bbox="688 1263 1869 1295">https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit</p>

Claim	US 9,722,858 Claim Term	Analysis
		<p data-bbox="699 217 1062 253">Disk Configuration Test</p> <p data-bbox="699 280 1969 350">This section provides information on how big the source machine and the destination machine drives are. A warning will be generated if the source machine drive is bigger than the destination machine drive.</p> <p data-bbox="699 381 1713 407">This section indicates whether the system drives match on the destination and source machines.</p> <p data-bbox="699 440 1430 467">If the system drives do not match, contact your system administrator.</p> <p data-bbox="699 529 1944 599"><u>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#Disk-Configuration-Test)</u></p> <p data-bbox="699 649 926 685">Group Policies</p> <p data-bbox="699 712 1740 738">This audit is not available on Windows 2000 or earlier. A group policy report will not be generated.</p> <p data-bbox="699 771 1969 964">The group policy section in the audit report indicates whether group policy information was successfully collected from the source and destination machines. If the audit was successful, then you can perform a group policy comparison using the ✖ https://virtamove.atlassian.net/wiki/spaces/VE/pages/309297809/Group+Policy+Comparison+Tool?search_id=8befec8f-bb8f-4f46-ac1d-6efb11f17c83 Can't find link from the Administrative Console. If the audit was not successful, the audit report will indicate why group policy information could not be collected.</p> <p data-bbox="699 1016 1969 1086"><u>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#Group-Policies)</u></p>

Claim	US 9,722,858 Claim Term	Analysis
		<h3 data-bbox="705 212 1688 253">Comparing Group Policies between Source and Destination</h3> <div data-bbox="705 289 1079 337"> Owned by Thomas Farley (Deactivated) *** Last updated: Dec 04, 2022 • 2 min read</div> <p data-bbox="705 375 1871 435">A Group Policy Comparison utility lets you compare rule differences regarding the group policies between the source and destination machine.</p> <p data-bbox="705 467 1283 492">The utility is available only for Windows Server 2003 or later.</p> <p data-bbox="705 521 1885 581">After you successfully run Audit, a group policy report is generated for supported platforms in the installation directory. For example:</p> <pre data-bbox="716 605 1344 646">1 C:\appliances\MyAppliance\ctrack\Log\AuditGroupPolicies\</pre> <p data-bbox="693 716 1976 784"><u>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310707046/Comparing+Group+Policies+between+Source+and+Destination)</u></p>

Claim	US 9,722,858 Claim Term	Analysis
		<p>IIS</p> <p>This section indicates whether Microsoft Web Deploy is installed on the destination and source machines.</p> <p>Web Deploy 3.5 or higher is required on the source machine for IIS web application migrations. Web Deploy is a tool that simplifies migration, management, and deployment of IIS web servers and web applications. You must install Web Deploy on the source machine, selecting "complete" or full mode at installation time. VirtaMove will automatically install Web Deploy on the destination machine.</p> <p>If Web Deploy 3.0 was installed on the source server and you subsequently installed Web Deploy 3.5 or higher in order to successfully migrate your application after the source and destination machines are connected via VirtaMove Source Agent, you will need to run</p> <pre data-bbox="716 800 1959 868">1 virtatetheradmin <machine name> /C</pre> <p>on the destination server so that the destination server will recognize the new installation of Web Deploy on the source server. It indicates whether Web Deployment Agent is installed and started.</p> <p>Microsoft IIS applications use port 80 by default. This section indicates whether port 80 is open on the source machine.</p> <p>If a required port is not open, you must open the port. For information about how to open a port, see for example: How can I open or forward a port on my router?</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit)</p>

Claim	US 9,722,858 Claim Term	Analysis
		<p>Port</p> <p>This section of the report indicates the status of the required ports on the source machine.</p> <ul style="list-style-type: none"> • Check that there is connectivity end-to-end from the destination server to the source on port 445. This is a blocking issue if VirtaMove Source Agent is not being used and port 445 is not open. End-to-end means that the port is open at the Windows firewalls, at the cloud-instance firewalls, and at any perimeter firewalls between the two servers. If the use of port 445 is not permitted on the network or is a concern, use a virtual private network (VPN) to establish connectivity between the destination and source machines. • For IIS migrations, make sure that port 80 is open because it is required by Web Deploy. • For migrations that use VirtaMove Source Agent, make sure that port 9665 is open on the source machine. Port 9665 is required to establish a connection to the VirtaMove Source Agent on the source machine. Two inbound rules must be created on the source machine: one for the TCP and one for the UDP port (both 9665). See https://technet.microsoft.com/en-us/library/ms345310(v=sql.100).aspx for more information. <p>VirtaMove Source Agent communicates through TCP port number 9665 by default. You can configure the port number to a different number if required. See VirtaMove Source Agent for more information.</p> <p>If the Audit Report indicates that a required port is closed, makes sure that external nodes between the destination machine and the source machine also permit communication across these ports (port 445, 9665, etc.). For example, if you are migrating to an Amazon Web Services (AWS) managed cloud server, make sure that AWS also has these ports opened.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#Port)</p>

Remote Access

This is a blocking issue.

If the VirtaMove Source Agent is active, the Remote Access test is not performed.

Remote Access must be enabled to accept COM requests and may be required for DCOM.

To enable remote access, the registry key values `Com+Enabled` and `RemoteAccessEnabled` must be set to `1` in the `HKLM\SOFTWARE\Microsoft\COM3` registry key on the source machine. The Remote Access enabled value is used in the [COMPlus](#) check. Enable the key as follows:

1. Start Registry Editor.
2. Locate and click the following key in the registry: `HKEY_LOCAL_MACHINE\Software\Microsoft\COM3`
3. Set the registry key value `RemoteAccessEnabled` to `1`
4. Set the registry key value `Com+Enabled` to `1`.
5. Quit Registry Editor.

For less than Windows Server 2008

The following key must be set to 1 or undefined:

```
1 Local SYSTEM\CurrentControlSet\Services\LanmanServer\Parameters\AutoShareServer
```

For Windows Server 2008 or higher

The Remote Account must be the built-in Administrator (not just an Administrator), or the following key must be set to 1 on both the source and destination machine:

```
1 SOFTWARE\Microsoft\Windows\CurrentVersion\Policies\System\LocalAccountTokenFilterPolicy
```

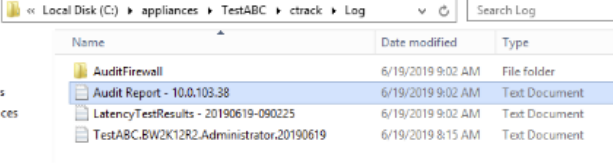
Remote Administrative Shares Enabled



Remote administrative shares (such as c\$, d\$, etc.) must be enabled in the registry on the source machine. Administrative shares must be enabled to copy data over the network.




If remote administrative shares are disabled, contact your system administrator.

Claim	US 9,722,858 Claim Term	Analysis
		(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit)

Claim	US 9,722,858 Claim Term	Analysis														
		<div><div><div><div><div><div></div><div><div>virtaaudit</div></div></div></div><div><div><div><div><div>TF</div><div><div>Owned by Thomas Farley (Deactivated) <div>...</div></div></div><div>Last updated: Mar 28, 2022 • 2 min read</div></div></div></div></div></div><div><p>This command checks whether the source and destination machines comply with application migration pre-requisites. Run this command before you migrate an application. Any issues are listed in the <code>Audit_Report.txt</code> file located in the appliance folder.</p><p>If the Audit Report lists a problem or problems that will impede application migration, see Understanding Audit for guidance about how to resolve specific issues identified in the report.</p><p>Administrator privileges are required.</p></div><div><div>Syntax</div><div><div><div>1</div><div>virtaaudit <server username> <password /P> [/V] [/O outputDirectory]</div></div><div><div>1</div><div>virtaaudit <server> [/V] [/O outputDirectory]</div></div></div></div><div><div>Options</div><table><tr><th>Option</th><th>Description</th></tr><tr><td>server</td><td>The IP address or machine name of the source machine.</td></tr><tr><td>username</td><td>The user name of the Administrator account on the source machine.</td></tr><tr><td>password</td><td>The password of the Administrator account on the source machine.</td></tr><tr><td>/O OutputDirectory</td><td>Write the Audit Report file to the specified directory. Optional.</td></tr><tr><td>/V verbose</td><td>Write detailed error descriptions to the CLI. Optional.</td></tr><tr><td>/P hidePassword</td><td>Hide the password for the user. Optional.</td></tr></table></div></div></div>	Option	Description	server	The IP address or machine name of the source machine.	username	The user name of the Administrator account on the source machine.	password	The password of the Administrator account on the source machine.	/O OutputDirectory	Write the Audit Report file to the specified directory. Optional.	/V verbose	Write detailed error descriptions to the CLI. Optional.	/P hidePassword	Hide the password for the user. Optional.
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Claim	US 9,722,858 Claim Term	Analysis
		<p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314212459/virtaaudit)</p> <p>Mapping of source and destination infrastructure configurations occurs after the “Audit” function is performed.</p> <h3>Running a Pre-Migration Audit</h3> <p>Audit verifies whether the source and destination machines comply with the requirements listed in https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310706978 Can't find link. You can run the Audit check from the Administrative Console by clicking Run Audit before you find applications on the source machine, or from the CLI by executing <code>virtaaudit</code>.</p> <p>For each pre-requisite, the Audit Report will indicate findings as follows:</p> <ul style="list-style-type: none"> • Pass - the pre-requisite is met and migration can proceed. • Warning - an informational warning; the migration can proceed but identified issues may at some point prevent the successful migration of applications. • Blocked - the pre-requisite is not met, the issue is blocking and VirtaMove will not proceed with the migration. You must address and correct blocking issues and attempt the migration again. <p>You can view the Audit Report to determine what a problem is as follows:</p> <ul style="list-style-type: none"> • Open the Audit Report in the appliance <code>ctrack/log</code> folder, or • Click the Audit Report tab in the Appliance Logs tab in the Administrative Console.  <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#Running-a-Pre-Migration-Audit)</p>

Claim	US 9,722,858 Claim Term	Analysis
		<h2 data-bbox="701 224 1024 266">Config-on-the-Fly</h2> <p data-bbox="701 305 1102 358">  Owned by Thomas Farley (Deactivated) *** Last updated: Mar 28, 2022 • 2 min read </p> <h3 data-bbox="701 394 896 418">Table of Contents</h3> <ul data-bbox="701 451 1232 602" style="list-style-type: none"> • Config-on-the-fly Files and Paths • Config-on-the-fly on Demand • Mapping NICs between Source and Destination • COTF Log <hr data-bbox="701 646 1942 649"/> <p data-bbox="701 695 1942 846">Your container may contain configuration information from another system and this information may not be compatible with the current system. For example, you may need to change IP addresses or hostnames. You can use a Config-on-the-fly file (<i>StandardCOTF.xml</i>) to update the configuration information so that it works with the current system. You may need to update the settings in the configuration file with information from the current system.</p> <p data-bbox="701 873 1898 906">You specify the Config-on-the-fly file using the  <code>virtapedit</code> command-line utility to update the following property:</p> <pre data-bbox="701 938 945 971">1 CPROP_CONFIG_FILE</pre> <p data-bbox="701 1008 1934 1040">Container properties (for example, <code>CPROP_SRC_NODENAME</code>) can be used as arguments to the <code>CPROP_CONFIG_FILE</code> property.</p> <p data-bbox="701 1068 1108 1092">StandardCOTF.xml is located as follows:</p> <pre data-bbox="701 1133 1329 1166">1 C:\appliances\<ContainerName>\COTF\StandardCOTF.xml</pre> <p data-bbox="701 1203 1906 1271">You can have multiple COTF files in the COTF folder. For example, one file could be for replacing IP addresses and another one for replacing hostnames. V-Migrate will load the combined COTF information from the files in the folder.</p> <p data-bbox="701 1352 1829 1385">https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/311263613/Config-on-the-Fly</p>

Claim	US 9,722,858 Claim Term	Analysis
		<p>Encryption Detection</p> <p> Owned by Thomas Farley (Deactivated) *** Last updated: Mar 25, 2022 • 1 min read</p> <p>Your container may contain encrypted configuration information from the source machine that is not compatible with the information on the current machine. You can use the  virtacryptdetect tool to log the paths of files and registry keys to help you determine which configuration information needs to be modified.</p> <p>See also  virtacotf.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/311132174/Encryption+Detection)</p>
10pre	The non-transitory computer readable medium of claim 9, wherein:	The Accused Products comprise a non-transitory computer readable medium as claimed in claim 9. <i>See</i> claim 9.
10a	in said discovering step of said method, said at least one source infrastructure management component further comprises at least one source infrastructure management process;	<i>See</i> limitation 1a; limitation 4a; limitation 6a.
10b	in said querying step of said method, said description of said target cloud infrastructure further comprises at least one target infrastructure management process; and	<i>See</i> limitation 1b; limitation 6b.

Claim	US 9,722,858 Claim Term	Analysis
10c	said analyzing step of said method further comprises mapping said at least one source infrastructure management process with said at least one target infrastructure management process.	<i>See</i> limitation 1c; limitation 6c.
11	The non-transitory computer readable medium of claim 1, wherein said analyzing step of said method further comprises determining that at least one conflict exists with said at least one mandatory target infrastructure management component, wherein said at least one conflict comprises said at least one source infrastructure management component managing at least one object that said at least one mandatory target infrastructure management component will manage in said target cloud infrastructure.	<p>The Accused Products comprise a non-transitory computer readable medium as claimed in claim 1. <i>See</i> claim 1.</p> <p>The Accused Products meet the remaining limitations of this claim. For example, the Accused Products identifies conflicts between the source and target infrastructure management components. For example, the “Audit Report” analyzes conflicts “with said at least one mandatory target infrastructure management component, wherein said at least one conflict comprises said at least one source infrastructure management component managing at least one object that said at least one mandatory target infrastructure management component will manage in said target cloud infrastructure.” Below includes examples of “Audit Report Contents,” but such examples should not be viewed as exclusive or limiting.</p>

Step 1: Audit



Owned by Thomas Farley (Deactivated) ***
Last updated: Mar 30, 2022 • 1 min read

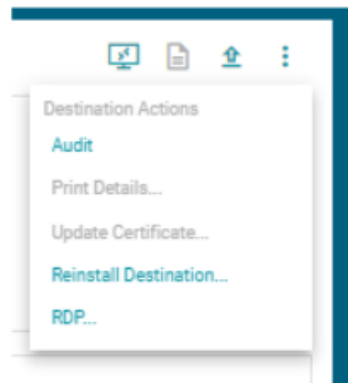
Now that you have destinations lined up, have monitored applications for a few days, and have migration candidates ready, you can start the migration process.

You will need a migration license to proceed.

To Start a Pre-Migration Audit

1. Click **Manage>Destinations**. The Destination Inventory window is displayed.
2. Select a destination in the list by clicking the **Host Source Name** link or by clicking **more actions>View Details** for the selected destination. The Destination Details window is displayed.
3. Click the Actions icon at the top and select **Audit**.

admin@virtamove.com



4. Click **Continue** to confirm.
5. If you haven't yet supplied a valid migration license, a message will indicate this. Click **OK** and click **Settings** in the **System** navigation menu on the left to do so. See [Managing V-Maestro License Keys](#) for more information.

The **Migrations In-Progress** card now displays the number of migrations in process and the operation in progress. The Progress column displays the progress toward completion in percentage. A migration icon now displays above the filter field.

Claim	US 9,722,858 Claim Term	Analysis
		(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314966328/Step+1+Audit)

Audit Report



Owned by Thomas Farley (Deactivated) ***
Mar 24, 2022 • 1 min read

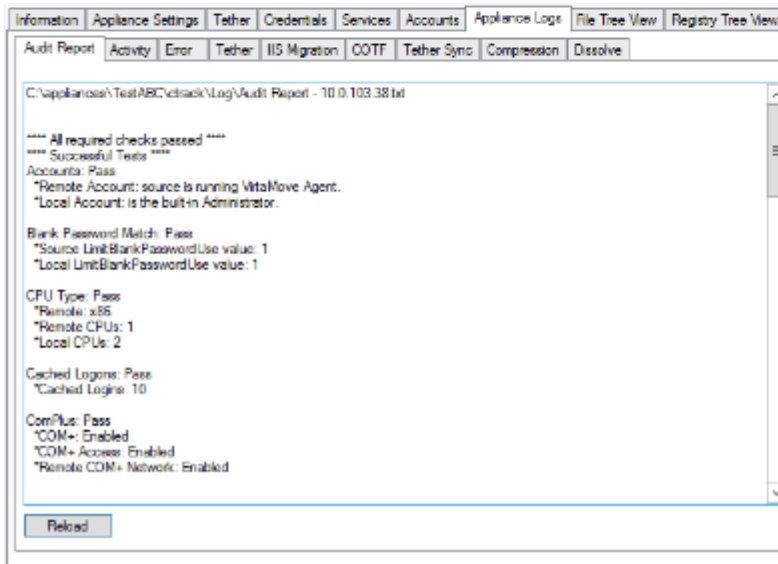
You can view the Audit Report, which is located as follows:

`C:\appliances\<Container>\ctrack\Log\Audit Report - <name>.txt`

You can also view it using the Administrative Console.

To View the Audit Report Using the Administrative Console

1. In the Administrative Console, select the container and then click the **Appliance Logs** tab.
2. Click the **Audit Report** tab. The Audit report is displayed.
3. To reload the Audit Report, click the **Reload** button.



Claim	US 9,722,858 Claim Term	Analysis
		(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/313917530/Audit+Report)

Claim	US 9,722,858 Claim Term	Analysis														
		<div><div><div><div><div></div><div>virtaaudit</div></div></div><div><div><div><div>TF</div><div>Owned by Thomas Farley (Deactivated) ***</div><div>Last updated: Mar 28, 2022 • 2 min read</div></div></div></div></div><div><p>This command checks whether the source and destination machines comply with application migration pre-requisites. Run this command before you migrate an application. Any issues are listed in the <code>Audit Report.txt</code> file located in the appliance folder.</p><p>If the Audit Report lists a problem or problems that will impede application migration, see Understanding Audit for guidance about how to resolve specific issues identified in the report.</p><p>Administrator privileges are required.</p></div><div><div>Syntax</div><div><div><div>1</div><div>virtaaudit <server username> <password /P> [/V] [/O outputDirectory]</div></div><div><div>1</div><div>virtaaudit <server> [/V] [/O outputDirectory]</div></div></div></div><div><div>Options</div><table><tr><th>Option</th><th>Description</th></tr><tr><td>server</td><td>The IP address or machine name of the source machine.</td></tr><tr><td>username</td><td>The user name of the Administrator account on the source machine.</td></tr><tr><td>password</td><td>The password of the Administrator account on the source machine.</td></tr><tr><td>/O OutputDirectory</td><td>Write the Audit Report file to the specified directory. Optional.</td></tr><tr><td>/V verbose</td><td>Write detailed error descriptions to the CLI. Optional.</td></tr><tr><td>/P hidePassword</td><td>Hide the password for the user. Optional.</td></tr></table></div></div>	Option	Description	server	The IP address or machine name of the source machine.	username	The user name of the Administrator account on the source machine.	password	The password of the Administrator account on the source machine.	/O OutputDirectory	Write the Audit Report file to the specified directory. Optional.	/V verbose	Write detailed error descriptions to the CLI. Optional.	/P hidePassword	Hide the password for the user. Optional.
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Claim	US 9,722,858 Claim Term	Analysis
		(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314212459/virtaaudit)


Understanding Audit




Owned by Thomas Farley (Deactivated) ***
Last updated: Apr 01, 2022 • 10 min read

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Claim	US 9,722,858 Claim Term	Analysis
		<p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit)</p> <h3>Firewall</h3> <p>This section indicates the firewall state of the three networking profiles (private, domain, public) on the destination and source machines. If the corresponding states differ between the two machines, a warning will be shown here.</p> <p>This section may display *Unknown* for the firewall state. This may occur because the source machine is running an older version of Windows Server (2003 or earlier), which has only one network profile.</p> <p>A firewall comparison tool is available if you want to compare firewall rule differences or troubleshoot firewall issues between the source and destination. See Comparing Group Policies between Source and Destination for more information.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#Firewall)</p> <h3>Comparing Firewall Rules</h3> <p> Owned by Thomas Farley (Deactivated) *** Last updated: Dec 04, 2022 • 2 min read</p> <p>Audit provides a warning about differences regarding the firewall enable state between the source and destination machine. A Compare Firewall Rules utility lets you compare rule differences.</p> <p>The utility is available only for Windows Server 2008 or later because earlier versions of the operating system do not feature additional firewall profiles.</p> <p>After you successfully run Audit, a firewall report is generated in the installation directory. For example:</p> <pre>1 C:\appliances\MyAppliance\ctrack\Log\AuditFirewall</pre>

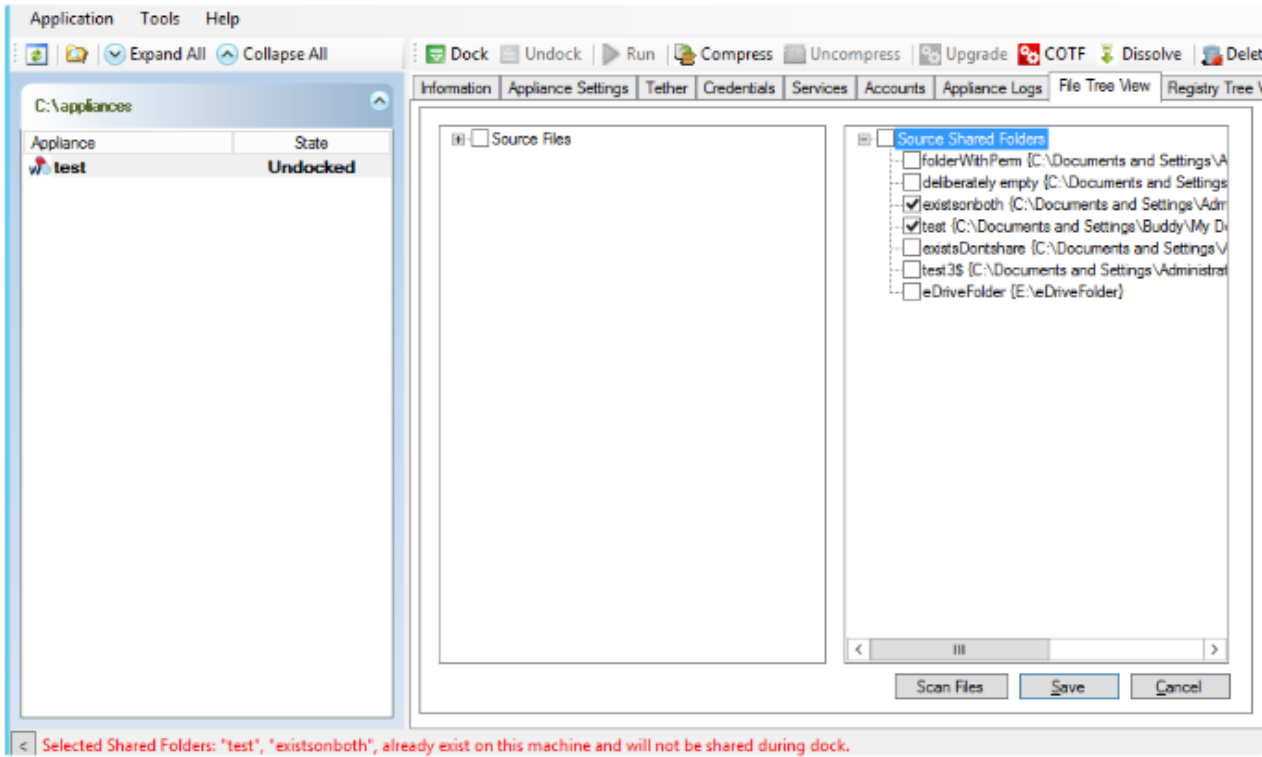
Claim	US 9,722,858 Claim Term	Analysis
		<p data-bbox="690 212 1948 245">(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310739279/Comparing+Firewall+Rules)</p> <p data-bbox="699 285 1062 321">Disk Configuration Test</p> <p data-bbox="699 350 1969 418">This section provides information on how big the source machine and the destination machine drives are. A warning will be generated if the source machine drive is bigger than the destination machine drive.</p> <p data-bbox="699 451 1713 477">This section indicates whether the system drives match on the destination and source machines.</p> <p data-bbox="699 509 1430 535">If the system drives do not match, contact your system administrator.</p> <p data-bbox="690 597 1948 665">(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#Disk-Configuration-Test)</p> <p data-bbox="699 716 926 751">Group Policies</p> <p data-bbox="699 781 1738 807">This audit is not available on Windows 2000 or earlier. A group policy report will not be generated.</p> <p data-bbox="699 839 1969 1031">The group policy section in the audit report indicates whether group policy information was successfully collected from the source and destination machines. If the audit was successful, then you can perform a group policy comparison using the ✖ https://virtamove.atlassian.net/wiki/spaces/VE/pages/309297809/Group+Policy+Comparison+Tool?search_id=8befec8f-bb8f-4f46-ac1d-6efb11f17c83 Can't find link from the Administrative Console. If the audit was not successful, the audit report will indicate why group policy information could not be collected.</p> <p data-bbox="690 1084 1969 1153">(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#Group-Policies)</p>

Claim	US 9,722,858 Claim Term	Analysis
		<h3 data-bbox="705 212 1688 253">Comparing Group Policies between Source and Destination</h3> <div data-bbox="705 289 1079 337"> Owned by Thomas Farley (Deactivated) *** Last updated: Dec 04, 2022 • 2 min read</div> <p data-bbox="705 375 1871 435">A Group Policy Comparison utility lets you compare rule differences regarding the group policies between the source and destination machine.</p> <p data-bbox="705 467 1283 492">The utility is available only for Windows Server 2003 or later.</p> <p data-bbox="705 521 1887 581">After you successfully run Audit, a group policy report is generated for supported platforms in the installation directory. For example:</p> <pre data-bbox="716 605 1344 646">1 C:\appliances\MyAppliance\ctrack\Log\AuditGroupPolicies\</pre> <p data-bbox="693 716 1976 784"><u>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310707046/Comparing+Group+Policies+between+Source+and+Destination)</u></p>

Claim	US 9,722,858 Claim Term	Analysis
		<p data-bbox="699 215 737 245">IIS</p> <p data-bbox="699 269 1698 298">This section indicates whether Microsoft Web Deploy is installed on the destination and source machines.</p> <p data-bbox="699 323 1944 459">Web Deploy 3.5 or higher is required on the source machine for IIS web application migrations. Web Deploy is a tool that simplifies migration, management, and deployment of IIS web servers and web applications. You must install Web Deploy on the source machine, selecting "complete" or full mode at installation time. VirtaMove will automatically install Web Deploy on the destination machine.</p> <p data-bbox="699 488 1965 552">If Web Deploy 3.0 was installed on the source server and you subsequently installed Web Deploy 3.5 or higher in order to successfully migrate your application after the source and destination machines are connected via VirtaMove Source Agent, you will need to run</p> <div data-bbox="699 573 1965 625"><pre data-bbox="699 573 1100 609">1 virtatetheradmin <machine name> /C</pre></div> <p data-bbox="699 651 1917 712">on the destination server so that the destination server will recognize the new installation of Web Deploy on the source server. It indicates whether Web Deployment Agent is installed and started.</p> <p data-bbox="699 742 1829 771">Microsoft IIS applications use port 80 by default. This section indicates whether port 80 is open on the source machine.</p> <p data-bbox="699 795 1969 859">If a required port is not open, you must open the port. For information about how to open a port, see for example: How can I open or forward a port on my router?</p> <p data-bbox="699 901 1955 964"><u>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#Dock-Intercept)</u></p>

Claim	US 9,722,858 Claim Term	Analysis
		<p>Port</p> <p>This section of the report indicates the status of the required ports on the source machine.</p> <ul style="list-style-type: none"> • Check that there is connectivity end-to-end from the destination server to the source on port 445. This is a blocking issue if VirtaMove Source Agent is not being used and port 445 is not open. End-to-end means that the port is open at the Windows firewalls, at the cloud-instance firewalls, and at any perimeter firewalls between the two servers. If the use of port 445 is not permitted on the network or is a concern, use a virtual private network (VPN) to establish connectivity between the destination and source machines. • For IIS migrations, make sure that port 80 is open because it is required by Web Deploy. • For migrations that use VirtaMove Source Agent, make sure that port 9665 is open on the source machine. Port 9665 is required to establish a connection to the VirtaMove Source Agent on the source machine. Two inbound rules must be created on the source machine: one for the TCP and one for the UDP port (both 9665). See https://technet.microsoft.com/en-us/library/ms345310(v=sql.100).aspx for more information. <p>VirtaMove Source Agent communicates through TCP port number 9665 by default. You can configure the port number to a different number if required. See VirtaMove Source Agent for more information.</p> <p>If the Audit Report indicates that a required port is closed, makes sure that external nodes between the destination machine and the source machine also permit communication across these ports (port 445, 9665, etc.). For example, if you are migrating to an Amazon Web Services (AWS) managed cloud server, make sure that AWS also has these ports opened.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#Port)</p>

Claim	US 9,722,858 Claim Term	Analysis
		<p>Additional evidence showing VirtaMove's infringement is found at least in the following documents:</p> <p>Migrating Folders, Shared Folders, and Registries</p> <p> Owned by Thomas Farley (Deactivated) *** Mar 04, 2022 • 3 min read</p> <p>Using the Tree View feature, you can select folders and registries that you want to add to the tethering process and copy them over to the destination machine during the migration progress. You can also select which shared folders you want to set up on the destination machine.</p> <p>For information about shared folders, see About Shared Folders.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/311394835/Migrating+Folders+Shared+Folders+and+Registries)</p>

Claim	US 9,722,858 Claim Term	Analysis
		<h3 data-bbox="701 224 1184 264">Conflicts and Shared Folders</h3> <p data-bbox="701 289 1934 354">When you select a shared folder, it's possible that it may conflict with a shared folder on the destination machine. In this case, a warning message will appear in the status bar at the bottom of the Administrative Console.</p>  <p>The screenshot shows the Administrative Console interface. On the left, a list of appliances includes 'test' with a state of 'Undocked'. The main pane is titled 'Source Shared Folders' and contains a list of folders with checkboxes: 'FolderWithPerm', 'deliberately empty', 'existsonboth', 'test', 'existsDontshare', 'test3\$', and 'eDriveFolder'. The 'test' and 'existsonboth' folders are checked. At the bottom, a status bar displays a red warning message: 'Selected Shared Folders: "test", "existsonboth", already exist on this machine and will not be shared during dock.'</p> <p data-bbox="701 1182 1892 1219">(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/311329628/About+Shared+Folders)</p>

Claim	US 9,722,858 Claim Term	Analysis
		<p>Restrictions on Container Services</p> <p>You cannot dock a container with a service if a service with the same name exists on the underlying operating system; an error will occur. If there is a conflict, the Services tab will show "CONFLICT" in the service's Status column and a warning will be displayed in red at the bottom of the Administrative Console window. You must resolve the conflict before you can dock the container.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/313819137/About+Managing+Container+Services)</p> <p>Note:</p> <p>When you tether and then launch the application, if the application tries to open a folder and the folder does not exist on the underlying operating system of the destination machine, tether will copy that folder into the container.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/311427374/About+Running+and+Exercising+Your+Application)</p>
12	The non-transitory computer readable medium of claim 1, wherein said analyzing step of said method further comprises determining that at least one conflict exists with said at least one mandatory target infrastructure management component, wherein said at least one conflict comprises said at least one source infrastructure management component using at least one resource that said at least one mandatory target infrastructure management	<p>The Accused Products comprise a non-transitory computer readable medium as claimed in claim 1. <i>See</i> claim 1.</p> <p>The Accused Products meet the remaining limitations in this claim. <i>See</i> claim 11. For example, the Accused Products identifies conflicts between the source and target infrastructure management components. For example, the "Audit Report" analyzes conflicts "with said at least one mandatory target infrastructure management component, wherein said at least one conflict comprises said at least one source infrastructure management component using at least one resource that said at least one mandatory target infrastructure management component will use in said target cloud infrastructure." Below includes examples of "Audit Report Contents," but such examples should not be viewed as exclusive or limiting.</p>

component will use in said target cloud infrastructure.

Step 1: Audit



Owned by Thomas Farley (Deactivated) ***
Last updated: Mar 30, 2022 • 1 min read

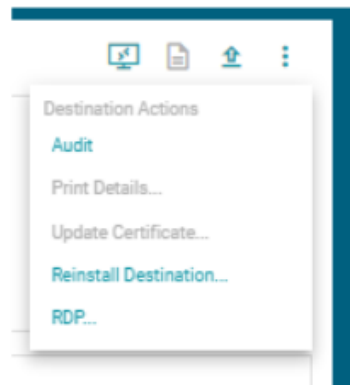
Now that you have destinations lined up, have monitored applications for a few days, and have migration candidates ready, you can start the migration process.

You will need a migration license to proceed.

To Start a Pre-Migration Audit

1. Click **Manage>Destinations**. The Destination Inventory window is displayed.
2. Select a destination in the list by clicking the **Host Source Name** link or by clicking **more actions>View Details** for the selected destination. The Destination Details window is displayed.
3. Click the Actions icon at the top and select **Audit**.

admin@virtamove.com



4. Click **Continue** to confirm.
5. If you haven't yet supplied a valid migration license, a message will indicate this. Click **OK** and click **Settings** in the **System** navigation menu on the left to do so. See [Managing V-Maestro License Keys](#) for more information.

The **Migrations In-Progress** card now displays the number of migrations in process and the operation in progress. The Progress column displays the progress toward completion in percentage. A migration icon now displays above the filter field.

Claim	US 9,722,858 Claim Term	Analysis
		(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314966328/Step+1+Audit)

Audit Report



Owned by Thomas Farley (Deactivated) ***
Mar 24, 2022 • 1 min read

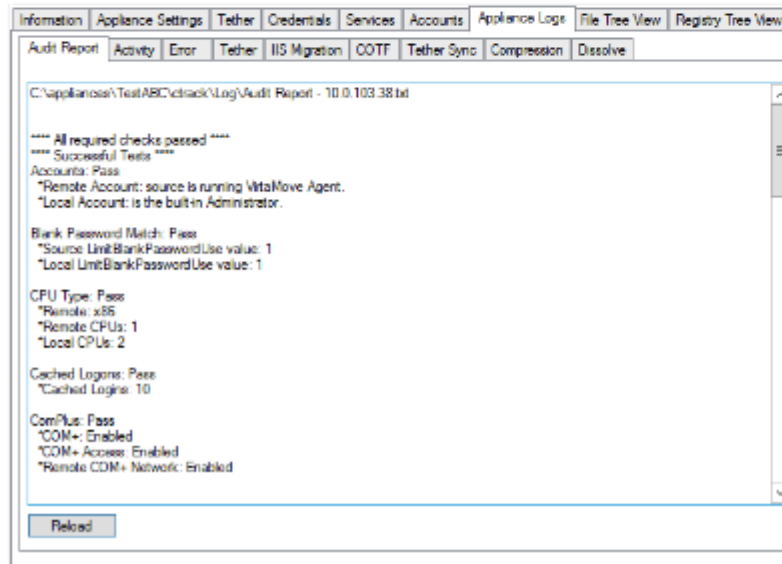
You can view the Audit Report, which is located as follows:

`C:\appliances\<Container>\ctrack\Log\Audit Report - <name>.txt`

You can also view it using the Administrative Console.

To View the Audit Report Using the Administrative Console

1. In the Administrative Console, select the container and then click the **Appliance Logs** tab.
2. Click the **Audit Report** tab. The Audit report is displayed.
3. To reload the Audit Report, click the **Reload** button.



Claim	US 9,722,858 Claim Term	Analysis
		(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/313917530/Audit+Report)

Claim	US 9,722,858 Claim Term	Analysis														
		<div><div><div><div><div></div><div>virtaaudit</div></div></div><div><div><div><div>TF</div><div>Owned by Thomas Farley (Deactivated) ***</div><div>Last updated: Mar 28, 2022 • 2 min read</div></div></div></div></div><div><p>This command checks whether the source and destination machines comply with application migration pre-requisites. Run this command before you migrate an application. Any issues are listed in the <code>Audit Report.txt</code> file located in the appliance folder.</p><p>If the Audit Report lists a problem or problems that will impede application migration, see Understanding Audit for guidance about how to resolve specific issues identified in the report.</p><p>Administrator privileges are required.</p></div><div><div>Syntax</div><div><pre>1 virtaaudit <server username> <password /P> [/V] [/O outputDirectory]</pre><pre>1 virtaaudit <server> [/V] [/O outputDirectory]</pre></div></div><div><div>Options</div><table><tr><th>Option</th><th>Description</th></tr><tr><td>server</td><td>The IP address or machine name of the source machine.</td></tr><tr><td>username</td><td>The user name of the Administrator account on the source machine.</td></tr><tr><td>password</td><td>The password of the Administrator account on the source machine.</td></tr><tr><td>/O OutputDirectory</td><td>Write the Audit Report file to the specified directory. Optional.</td></tr><tr><td>/V verbose</td><td>Write detailed error descriptions to the CLI. Optional.</td></tr><tr><td>/P hidePassword</td><td>Hide the password for the user. Optional.</td></tr></table></div></div>	Option	Description	server	The IP address or machine name of the source machine.	username	The user name of the Administrator account on the source machine.	password	The password of the Administrator account on the source machine.	/O OutputDirectory	Write the Audit Report file to the specified directory. Optional.	/V verbose	Write detailed error descriptions to the CLI. Optional.	/P hidePassword	Hide the password for the user. Optional.
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server	The IP address or machine name of the source machine.															
username	The user name of the Administrator account on the source machine.															
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/O OutputDirectory	Write the Audit Report file to the specified directory. Optional.															
/V verbose	Write detailed error descriptions to the CLI. Optional.															
/P hidePassword	Hide the password for the user. Optional.															

Claim	US 9,722,858 Claim Term	Analysis
		(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314212459/virtaaudit)


Understanding Audit




Owned by Thomas Farley (Deactivated) ***
Last updated: Apr 01, 2022 • 10 min read

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Claim	US 9,722,858 Claim Term	Analysis
		<p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit)</p> <h3 data-bbox="699 280 819 313">Firewall</h3> <p data-bbox="699 345 1955 415">This section indicates the firewall state of the three networking profiles (private, domain, public) on the destination and source machines. If the corresponding states differ between the two machines, a warning will be shown here.</p> <p data-bbox="699 448 1923 518">This section may display *Unknown* for the firewall state. This may occur because the source machine is running an older version of Windows Server (2003 or earlier), which has only one network profile.</p> <p data-bbox="699 550 1923 659">A firewall comparison tool is available if you want to compare firewall rule differences or troubleshoot firewall issues between the source and destination. See Comparing Group Policies between Source and Destination for more information.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#Firewall)</p> <h3 data-bbox="699 821 1157 862">Comparing Firewall Rules</h3> <div data-bbox="699 902 1108 956">  Owned by Thomas Farley (Deactivated) *** Last updated: Dec 04, 2022 • 2 min read </div> <p data-bbox="699 997 1724 1066">Audit provides a warning about differences regarding the firewall enable state between the source and destination machine. A Compare Firewall Rules utility lets you compare rule differences.</p> <p data-bbox="699 1099 1646 1169">The utility is available only for Windows Server 2008 or later because earlier versions of the operating system do not feature additional firewall profiles.</p> <p data-bbox="699 1201 1671 1271">After you successfully run Audit, a firewall report is generated in the installation directory. For example:</p> <pre data-bbox="699 1304 1325 1328">1 C:\appliances\MyAppliance\ctrack\Log\AuditFirewall</pre>

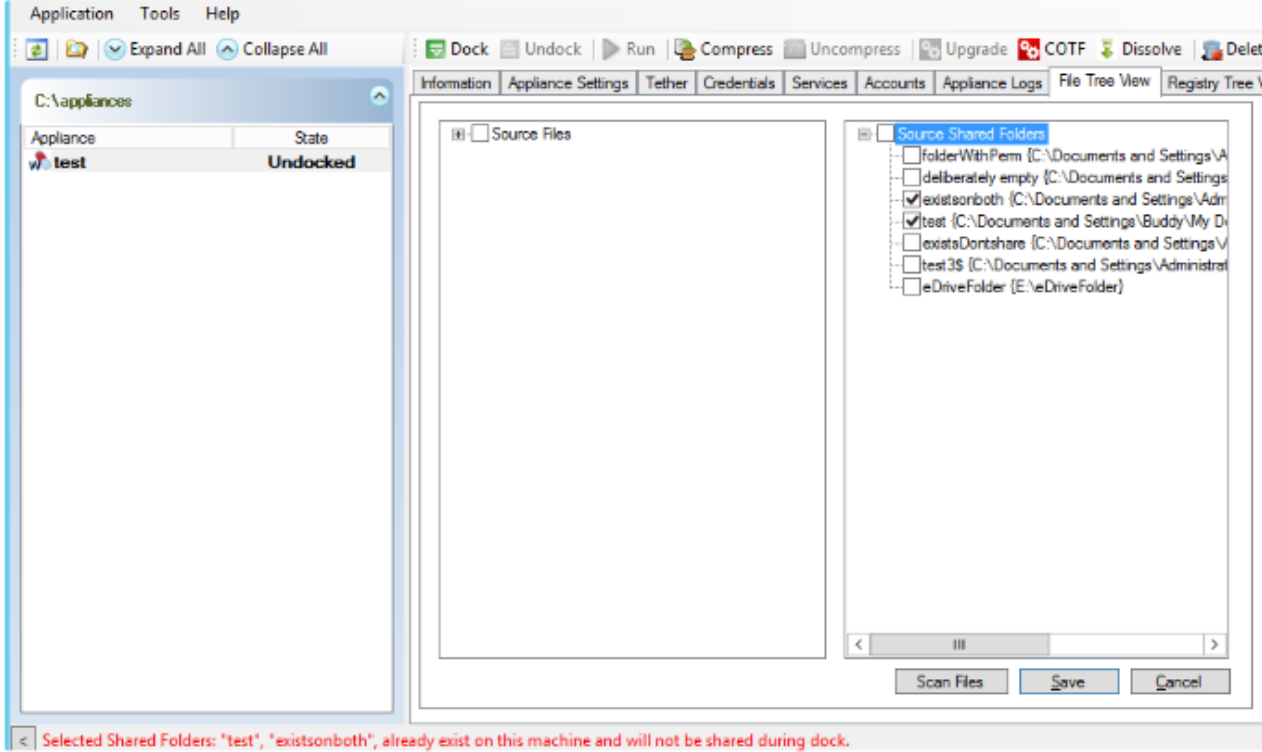
Claim	US 9,722,858 Claim Term	Analysis
		<p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310739279/Comparing+Firewall+Rules)</p> <h3 data-bbox="699 285 1062 321">Disk Configuration Test</h3> <p data-bbox="699 350 1965 418">This section provides information on how big the source machine and the destination machine drives are. A warning will be generated if the source machine drive is bigger than the destination machine drive.</p> <p data-bbox="699 451 1713 477">This section indicates whether the system drives match on the destination and source machines.</p> <p data-bbox="699 509 1430 535">If the system drives do not match, contact your system administrator.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#Disk-Configuration-Test)</p> <h3 data-bbox="699 717 926 753">Group Policies</h3> <p data-bbox="699 782 1738 808">This audit is not available on Windows 2000 or earlier. A group policy report will not be generated.</p> <p data-bbox="699 841 1965 1036">The group policy section in the audit report indicates whether group policy information was successfully collected from the source and destination machines. If the audit was successful, then you can perform a group policy comparison using the https://virtamove.atlassian.net/wiki/spaces/VE/pages/309297809/Group+Policy+Comparison+Tool?search_id=8befec8f-bb8f-4f46-ac1d-6efb11f17c83 Can't find link from the Administrative Console. If the audit was not successful, the audit report will indicate why group policy information could not be collected.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#Group-Policies)</p>

Claim	US 9,722,858 Claim Term	Analysis
		<h2 data-bbox="703 212 1688 253">Comparing Group Policies between Source and Destination</h2> <div data-bbox="703 289 1079 337"> Owned by Thomas Farley (Deactivated) *** Last updated: Dec 04, 2022 • 2 min read</div> <p data-bbox="703 375 1871 435">A Group Policy Comparison utility lets you compare rule differences regarding the group policies between the source and destination machine.</p> <p data-bbox="703 467 1283 492">The utility is available only for Windows Server 2003 or later.</p> <p data-bbox="703 521 1887 581">After you successfully run Audit, a group policy report is generated for supported platforms in the installation directory. For example:</p> <div data-bbox="703 605 1955 662"><pre data-bbox="716 621 1341 646">1 C:\appliances\MyAppliance\ctrack\Log\AuditGroupPolicies\</pre></div> <p data-bbox="688 716 1976 784">https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310707046/Comparing+Group+Policies+between+Source+and+Destination</p> <h2 data-bbox="695 821 772 857">RAM</h2> <p data-bbox="695 886 1646 911">This section identifies the amount of RAM available on the source and destination machine.</p> <p data-bbox="688 964 1955 1032">https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#Dock-Intercept</p> <h2 data-bbox="695 1078 898 1118">System Types</h2> <p data-bbox="695 1138 951 1162">This is a blocking issue.</p> <p data-bbox="695 1200 1761 1224">The operating systems of the destination and source machines must both be server operating systems.</p> <p data-bbox="695 1260 1976 1320">If the operating systems do not match (for example, one is a server and the other is a desktop system), contact your system administrator.</p>

Claim	US 9,722,858 Claim Term	Analysis
		https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#System-Types

Claim	US 9,722,858 Claim Term	Analysis
		<p>Port</p> <p>This section of the report indicates the status of the required ports on the source machine.</p> <ul style="list-style-type: none"> • Check that there is connectivity end-to-end from the destination server to the source on port 445. This is a blocking issue if VirtaMove Source Agent is not being used and port 445 is not open. End-to-end means that the port is open at the Windows firewalls, at the cloud-instance firewalls, and at any perimeter firewalls between the two servers. If the use of port 445 is not permitted on the network or is a concern, use a virtual private network (VPN) to establish connectivity between the destination and source machines. • For IIS migrations, make sure that port 80 is open because it is required by Web Deploy. • For migrations that use VirtaMove Source Agent, make sure that port 9665 is open on the source machine. Port 9665 is required to establish a connection to the VirtaMove Source Agent on the source machine. Two inbound rules must be created on the source machine: one for the TCP and one for the UDP port (both 9665). See https://technet.microsoft.com/en-us/library/ms345310(v=sql.100).aspx for more information. <p>VirtaMove Source Agent communicates through TCP port number 9665 by default. You can configure the port number to a different number if required. See VirtaMove Source Agent for more information.</p> <p>If the Audit Report indicates that a required port is closed, makes sure that external nodes between the destination machine and the source machine also permit communication across these ports (port 445, 9665, etc.). For example, if you are migrating to an Amazon Web Services (AWS) managed cloud server, make sure that AWS also has these ports opened.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#Port)</p>

Claim	US 9,722,858 Claim Term	Analysis
		<p>Additional evidence showing VirtaMove's infringement is found at least in the following documents:</p> <p>Migrating Folders, Shared Folders, and Registries</p> <p> Owned by Thomas Farley (Deactivated) *** Mar 04, 2022 • 3 min read</p> <p>Using the Tree View feature, you can select folders and registries that you want to add to the tethering process and copy them over to the destination machine during the migration progress. You can also select which shared folders you want to set up on the destination machine.</p> <p>For information about shared folders, see About Shared Folders.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/311394835/Migrating+Folders+Shared+Folders+and+Registries)</p>

Claim	US 9,722,858 Claim Term	Analysis
		<h3 data-bbox="701 224 1184 264">Conflicts and Shared Folders</h3> <p data-bbox="701 289 1934 354">When you select a shared folder, it's possible that it may conflict with a shared folder on the destination machine. In this case, a warning message will appear in the status bar at the bottom of the Administrative Console.</p>  <p>The screenshot shows the Administrative Console interface. On the left, a list of appliances includes 'test' with a state of 'Undocked'. The main pane is titled 'C:\appliances' and shows a tree view of 'Source Files' and 'Source Shared Folders'. Under 'Source Shared Folders', several items are listed with checkboxes: 'FolderWithPerm', 'deliberately empty', 'existsonboth', 'test', 'existsondontshare', 'test3\$', and 'eDriveFolder'. The 'test' and 'existsonboth' items are checked. At the bottom of the console, a red status bar displays the message: 'Selected Shared Folders: "test", "existsonboth", already exist on this machine and will not be shared during dock.'</p> <p data-bbox="688 1182 1892 1219">(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/311329628/About+Shared+Folders)</p>

Claim	US 9,722,858 Claim Term	Analysis
		<p>Restrictions on Container Services</p> <p>You cannot dock a container with a service if a service with the same name exists on the underlying operating system; an error will occur. If there is a conflict, the Services tab will show "CONFLICT" in the service's Status column and a warning will be displayed in red at the bottom of the Administrative Console window. You must resolve the conflict before you can dock the container.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/313819137/About+Managing+Container+Services)</p>
13	<p>The non-transitory computer readable medium of claim 1, wherein said analyzing step of said method further comprises determining that at least one conflict exists with said at least one mandatory target infrastructure management component, wherein said at least one conflict comprises at least one of:</p> <p>current lack of a mandatory target infrastructure component on a client,</p> <p>existence of a mandatory target infrastructure component in a different version, and</p> <p>existence of a mandatory target infrastructure component with different configurations.</p>	<p>The Accused Products comprise a non-transitory computer readable medium as claimed in claim 1. <i>See</i> claim 1.</p> <p>The Accused Products meet the remaining limitations in this claim. <i>See</i> claims 11-12. For example, the "Audit Report" identifies conflicts "with said at least one mandatory target infrastructure management component, wherein said at least one conflict comprises at least one of: current lack of a mandatory target infrastructure component on a client, existence of a mandatory target infrastructure component in a different version, and existence of a mandatory target infrastructure component with different configurations."</p>

Audit Report



Owned by Thomas Farley (Deactivated) ***
Mar 24, 2022 • 1 min read

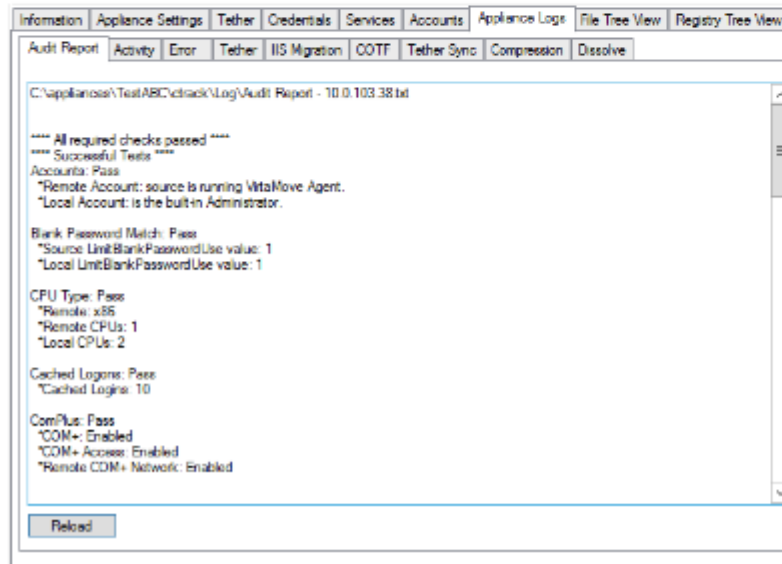
You can view the Audit Report, which is located as follows:

`C:\appliances\<Container>\ctrack\Log\Audit Report - <name>.txt`

You can also view it using the Administrative Console.

To View the Audit Report Using the Administrative Console

1. In the Administrative Console, select the container and then click the **Appliance Logs** tab.
2. Click the **Audit Report** tab. The Audit report is displayed.
3. To reload the Audit Report, click the **Reload** button.



Claim	US 9,722,858 Claim Term	Analysis
		(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/313917530/Audit+Report)

Claim	US 9,722,858 Claim Term	Analysis														
		<div><div><div><div><div></div><div>virtaaudit</div></div></div><div><div><div><div>TF</div><div>Owned by Thomas Farley (Deactivated) ***</div><div>Last updated: Mar 28, 2022 • 2 min read</div></div></div></div></div><div><p>This command checks whether the source and destination machines comply with application migration pre-requisites. Run this command before you migrate an application. Any issues are listed in the <code>Audit Report.txt</code> file located in the appliance folder.</p><p>If the Audit Report lists a problem or problems that will impede application migration, see Understanding Audit for guidance about how to resolve specific issues identified in the report.</p><p>Administrator privileges are required.</p></div><div><div>Syntax</div><div><div><div>1</div><div>virtaaudit <server username> <password /P> [/V] [/O outputDirectory]</div></div><div><div>1</div><div>virtaaudit <server> [/V] [/O outputDirectory]</div></div></div></div><div><div>Options</div><table><tr><th>Option</th><th>Description</th></tr><tr><td>server</td><td>The IP address or machine name of the source machine.</td></tr><tr><td>username</td><td>The user name of the Administrator account on the source machine.</td></tr><tr><td>password</td><td>The password of the Administrator account on the source machine.</td></tr><tr><td>/O OutputDirectory</td><td>Write the Audit Report file to the specified directory. Optional.</td></tr><tr><td>/V verbose</td><td>Write detailed error descriptions to the CLI. Optional.</td></tr><tr><td>/P hidePassword</td><td>Hide the password for the user. Optional.</td></tr></table></div></div>	Option	Description	server	The IP address or machine name of the source machine.	username	The user name of the Administrator account on the source machine.	password	The password of the Administrator account on the source machine.	/O OutputDirectory	Write the Audit Report file to the specified directory. Optional.	/V verbose	Write detailed error descriptions to the CLI. Optional.	/P hidePassword	Hide the password for the user. Optional.
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server	The IP address or machine name of the source machine.															
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/P hidePassword	Hide the password for the user. Optional.															

Claim	US 9,722,858 Claim Term	Analysis
		(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314212459/virtaaudit)

Understanding Audit



Owned by Thomas Farley (Deactivated) ***
Last updated: Apr 01, 2022 • 10 min read

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Claim	US 9,722,858 Claim Term	Analysis
		<p data-bbox="688 212 1871 245">(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit)</p> <h3 data-bbox="699 282 835 315">CPU Type</h3> <p data-bbox="699 337 1892 402">This section identifies the bitness of the source machine (x86 or x64) and the model of the processor that is on the source and destination machine.</p> <p data-bbox="699 428 800 456">Example:</p> <div data-bbox="699 477 1969 630" style="background-color: #f0f0f0; padding: 10px;"> <pre data-bbox="709 493 926 613">1 CPU Type: Pass 2 *Remote: x86 3 *Remote CPUs: 1 4 *Local CPUs: 2</pre> </div> <p data-bbox="688 683 1871 716">(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit)</p> <h3 data-bbox="699 753 806 786">DotNet</h3> <p data-bbox="699 808 940 836">This is a blocking issue.</p> <p data-bbox="699 862 1969 964">This section identifies whether .NET Framework version 4.0 or greater is installed on the source machine. If so, you must install .NET Framework 4.0 or 4.5 on the destination machine before you perform a migration. On Windows Server 2012 R2, it is not possible to install version 4.0: you must install version 4.5.</p> <p data-bbox="699 992 1717 1019">To download .NET Framework 4, go to <a data-bbox="1087 992 1717 1019" href="http://www.microsoft.com/en-ca/download/details.aspx?id=17718">http://www.microsoft.com/en-ca/download/details.aspx?id=17718</p> <p data-bbox="699 1047 1969 1112">This section identifies whether .NET Framework 1.1 is installed on the source machine. If your application requires .NET Framework, you must install .NET Framework 1.1 on the destination machine.</p> <p data-bbox="699 1140 1703 1167">To download .NET Framework 1.1, go to: <a data-bbox="1094 1140 1703 1167" href="http://www.microsoft.com/en-ca/download/details.aspx?id=26">http://www.microsoft.com/en-ca/download/details.aspx?id=26</p> <p data-bbox="688 1211 1871 1243">(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit)</p>

Claim	US 9,722,858 Claim Term	Analysis
		<p data-bbox="695 212 821 245">Firewall</p> <p data-bbox="695 277 1955 345">This section indicates the firewall state of the three networking profiles (private, domain, public) on the destination and source machines. If the corresponding states differ between the two machines, a warning will be shown here.</p> <p data-bbox="695 378 1923 446">This section may display *Unknown* for the firewall state. This may occur because the source machine is running an older version of Windows Server (2003 or earlier), which has only one network profile.</p> <p data-bbox="695 479 1923 586">A firewall comparison tool is available if you want to compare firewall rule differences or troubleshoot firewall issues between the source and destination. See <a data-bbox="1136 516 1801 548" href="#">Comparing Group Policies between Source and Destination for more information.</p> <p data-bbox="695 646 1982 714"><a data-bbox="695 646 1982 714" href="https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#Firewall">https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#Firewall</p> <p data-bbox="695 756 1062 789">Disk Configuration Test</p> <p data-bbox="695 821 1965 889">This section provides information on how big the source machine and the destination machine drives are. A warning will be generated if the source machine drive is bigger than the destination machine drive.</p> <p data-bbox="695 922 1713 948">This section indicates whether the system drives match on the destination and source machines.</p> <p data-bbox="695 980 1430 1006">If the system drives do not match, contact your system administrator.</p> <p data-bbox="695 1066 1944 1135"><a data-bbox="695 1066 1944 1135" href="https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#Disk-Configuration-Test">https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#Disk-Configuration-Test</p>


Claim	US 9,722,858 Claim Term	Analysis
		<p>Group Policies</p> <p>This audit is not available on Windows 2000 or earlier. A group policy report will not be generated.</p> <p>The group policy section in the audit report indicates whether group policy information was successfully collected from the source and destination machines. If the audit was successful, then you can perform a group policy comparison using the https://virtamove.atlassian.net/wiki/spaces/VE/pages/309297809/Group+Policy+Comparison+Tool?search_id=8befec8f-bb8f-4f46-ac1d-6efb11f17c83 Can't find link from the Administrative Console. If the audit was not successful, the audit report will indicate why group policy information could not be collected.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#Group-Policies)</p>



Claim	US 9,722,858 Claim Term	Analysis
		<p>Port</p> <p>This section of the report indicates the status of the required ports on the source machine.</p> <ul style="list-style-type: none"> • Check that there is connectivity end-to-end from the destination server to the source on port 445. This is a blocking issue if VirtaMove Source Agent is not being used and port 445 is not open. End-to-end means that the port is open at the Windows firewalls, at the cloud-instance firewalls, and at any perimeter firewalls between the two servers. If the use of port 445 is not permitted on the network or is a concern, use a virtual private network (VPN) to establish connectivity between the destination and source machines. • For IIS migrations, make sure that port 80 is open because it is required by Web Deploy. • For migrations that use VirtaMove Source Agent, make sure that port 9665 is open on the source machine. Port 9665 is required to establish a connection to the VirtaMove Source Agent on the source machine. Two inbound rules must be created on the source machine: one for the TCP and one for the UDP port (both 9665). See https://technet.microsoft.com/en-us/library/ms345310(v=sql.100).aspx for more information. <p>VirtaMove Source Agent communicates through TCP port number 9665 by default. You can configure the port number to a different number if required. See VirtaMove Source Agent for more information.</p> <p>If the Audit Report indicates that a required port is closed, makes sure that external nodes between the destination machine and the source machine also permit communication across these ports (port 445, 9665, etc.). For example, if you are migrating to an Amazon Web Services (AWS) managed cloud server, make sure that AWS also has these ports opened.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#Port)</p>

Claim	US 9,722,858 Claim Term	Analysis
		<p data-bbox="695 215 772 248">RAM</p> <p data-bbox="695 277 1650 305">This section identifies the amount of RAM available on the source and destination machine.</p> <p data-bbox="695 355 1955 427"><u>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#Dock-Intercept)</u></p>

Claim	US 9,722,858 Claim Term	Analysis
		<p>Remote Access</p> <p>This is a blocking issue.</p> <p>If the ViraMove Source Agent is active, the Remote Access test is not performed.</p> <p>Remote Access must be enabled to accept COM requests and may be required for DCOM.</p> <p>To enable remote access, the registry key values <code>Com+Enabled</code> and <code>RemoteAccessEnabled</code> must be set to <code>1</code> in the <code>HKLM\SOFTWARE\Microsoft\COM3</code> registry key on the source machine. The Remote Access enabled value is used in the COMPlus check. Enable the key as follows:</p> <ol style="list-style-type: none"> 1. Start Registry Editor. 2. Locate and click the following key in the registry: <code>HKEY_LOCAL_MACHINE\Software\Microsoft\COM3</code> 3. Set the registry key value <code>RemoteAccessEnabled</code> to <code>1</code>. 4. Set the registry key value <code>Com+Enabled</code> to <code>1</code>. 5. Quit Registry Editor. <p>For less than Windows Server 2008</p> <p>The following key must be set to 1 or undefined:</p> <pre>1 Local SYSTEM\CurrentControlSet\Services\LanmanServer\Parameters\AutoShareServer</pre> <p>For Windows Server 2008 or higher</p> <p>The Remote Account must be the built-in Administrator (not just an Administrator), or the following key must be set to 1 on both the source and destination machine:</p> <pre>1 SOFTWARE\Microsoft\Windows\CurrentVersion\Policies\System\LocalAccountTokenFilterPolicy</pre> <p>Remote Administrative Shares Enabled</p> <p>Remote administrative shares (such as c\$, d\$, etc.) must be enabled in the registry on the source machine. Administrative shares must be enabled to copy data over the network.</p> <p>If remote administrative shares are disabled, contact your system administrator.</p>

Claim	US 9,722,858 Claim Term	Analysis
		<p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit)</p> <p>System Types</p> <p>This is a blocking issue.</p> <p>The operating systems of the destination and source machines must both be server operating systems.</p> <p>If the operating systems do not match (for example, one is a server and the other is a desktop system), contact your system administrator.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#System-Types)</p> <p>Additional evidence showing VirtaMove's infringement is found at least in the following documents:</p>

Claim	US 9,722,858 Claim Term	Analysis
		<h2 data-bbox="701 224 1024 266">Config-on-the-Fly</h2> <div data-bbox="701 305 1102 358">  Owned by Thomas Farley (Deactivated) *** Last updated: Mar 28, 2022 • 2 min read </div> <h3 data-bbox="701 396 896 420">Table of Contents</h3> <ul data-bbox="701 453 1232 602" style="list-style-type: none"> • Config-on-the-fly Files and Paths • Config-on-the-fly on Demand • Mapping NICs between Source and Destination • COTF Log <hr data-bbox="701 646 1942 649"/> <p data-bbox="701 695 1942 844">Your container may contain configuration information from another system and this information may not be compatible with the current system. For example, you may need to change IP addresses or hostnames. You can use a Config-on-the-fly file (<i>StandardCOTF.xml</i>) to update the configuration information so that it works with the current system. You may need to update the settings in the configuration file with information from the current system.</p> <p data-bbox="701 873 1898 902">You specify the Config-on-the-fly file using the <code>virtapedit</code> command-line utility to update the following property:</p> <pre data-bbox="701 927 945 967">1 CPROP_CONFIG_FILE</pre> <p data-bbox="701 1008 1934 1037">Container properties (for example, <code>CPROP_SRC_NODENAME</code>) can be used as arguments to the <code>CPROP_CONFIG_FILE</code> property.</p> <p data-bbox="701 1068 1108 1092">StandardCOTF.xml is located as follows:</p> <pre data-bbox="701 1133 1329 1157">1 C:\appliances\<ContainerName>\COTF\StandardCOTF.xml</pre> <p data-bbox="701 1203 1906 1271">You can have multiple COTF files in the COTF folder. For example, one file could be for replacing IP addresses and another one for replacing hostnames. V-Migrate will load the combined COTF information from the files in the folder.</p> <p data-bbox="701 1352 1829 1386">https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/311263613/Config-on-the-Fly</p>

Claim	US 9,722,858 Claim Term	Analysis
		<p>Encryption Detection</p> <p> Owned by Thomas Farley (Deactivated) *** Last updated: Mar 25, 2022 • 1 min read</p> <p>Your container may contain encrypted configuration information from the source machine that is not compatible with the information on the current machine. You can use the virtacryptdetect tool to log the paths of files and registry keys to help you determine which configuration information needs to be modified.</p> <p>See also virtacotf.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/311132174/Encryption+Detection)</p> <p>Performing a Staged IIS Application Migration</p> <p> Owned by Thomas Farley (Deactivated) *** Mar 03, 2022 • 2 min read</p> <p>You can migrate an IIS application from a source machine to an intermediary machine, and from the intermediary machine, move the application (via a compressed container, called a .cap file) to a destination machine.</p> <p>Note:</p> <p>For IIS staged migrations, both intermediary and destination machines must be running the same operating system and NT version.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/311230707/Performing+a+Staged+IIS+Application+Migration)</p>
14	The non-transitory computer readable medium of claim 1, wherein said analyzing step of said method comprises at least one of:	<p>The Accused Products comprise a non-transitory computer readable medium as claimed in claim 1. <i>See</i> claim 1.</p> <p>The Accused Products meet the remaining limitations of this claim. <i>See</i> limitation 1c. For example, the “Audit Report will indicate findings as follows:”</p>

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	<p>recommending un-installation of a source infrastructure component;</p> <p>recommending installation of a target infrastructure component;</p> <p>recommending modifying configuration of an infrastructure component; and</p> <p>recommending excluding servers with a given source infrastructure component from migration.</p>	<ul style="list-style-type: none">• Pass - the pre-requisite is met and migration can proceed.• Warning - an informational warning; the migration can proceed but identified issues may at some point prevent the successful migration of applications.• Blocked - the pre-requisite is not met, the issue is blocking and VirtaMove will not proceed with the migration. You must address and correct blocking issues and attempt the migration again. <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#Running-a-Pre-Migration-Audit)</p>


Understanding Audit





Owned by Thomas Farley (Deactivated) ***
Last updated: Apr 01, 2022 • 10 min read

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Claim	US 9,722,858 Claim Term	Analysis
		<p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#Audit-Report-Contents)</p> <p>By identifying conflicts between the source and destination machine configurations, the Accused Products provide recommendations regarding, “un-installation of a source infrastructure component,” “recommending installation of a target infrastructure component,” “modifying configuration of an infrastructure component,” or “excluding servers with a given source infrastructure component from migration.” <i>See</i> https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#Audit-Report-Contents.</p> <p>Additional evidence showing VirtaMove’s infringement is found at least in the following documents:</p> <p>virtaaudit</p> <p> Owned by Thomas Farley (Deactivated) *** Last updated: Mar 28, 2022 • 2 min read</p> <p>This command checks whether the source and destination machines comply with application migration pre-requisites. Run this command before you migrate an application. Any issues are listed in the <code>Audit_Report.txt</code> file located in the appliance folder.</p> <p>If the Audit Report lists a problem or problems that will impede application migration, see Understanding Audit for guidance about how to resolve specific issues identified in the report.</p> <p>Administrator privileges are required.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314212459/virtaaudit)</p>


Claim	US 9,722,858 Claim Term	Analysis
		<h2 data-bbox="701 224 1024 266">Config-on-the-Fly</h2> <div data-bbox="701 305 1102 358">  Owned by Thomas Farley (Deactivated) *** Last updated: Mar 28, 2022 • 2 min read </div> <h3 data-bbox="701 396 896 420">Table of Contents</h3> <ul data-bbox="701 453 1232 602" style="list-style-type: none"> • Config-on-the-fly Files and Paths • Config-on-the-fly on Demand • Mapping NICs between Source and Destination • COTF Log <hr data-bbox="701 646 1940 649"/> <p data-bbox="701 695 1940 842">Your container may contain configuration information from another system and this information may not be compatible with the current system. For example, you may need to change IP addresses or hostnames. You can use a Config-on-the-fly file (<i>StandardCOTF.xml</i>) to update the configuration information so that it works with the current system. You may need to update the settings in the configuration file with information from the current system.</p> <p data-bbox="701 875 1898 902">You specify the Config-on-the-fly file using the <code>virtapedit</code> command-line utility to update the following property:</p> <pre data-bbox="701 927 945 967">1 CPROP_CONFIG_FILE</pre> <p data-bbox="701 1008 1934 1036">Container properties (for example, <code>CPROP_SRC_NODENAME</code>) can be used as arguments to the <code>CPROP_CONFIG_FILE</code> property.</p> <p data-bbox="701 1068 1108 1096">StandardCOTF.xml is located as follows:</p> <pre data-bbox="701 1120 1329 1161">1 C:\appliances\<ContainerName>\COTF\StandardCOTF.xml</pre> <p data-bbox="701 1201 1906 1271">You can have multiple COTF files in the COTF folder. For example, one file could be for replacing IP addresses and another one for replacing hostnames. V-Migrate will load the combined COTF information from the files in the folder.</p> <p data-bbox="701 1352 1829 1386">https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/311263613/Config-on-the-Fly</p>



Claim	US 9,722,858 Claim Term	Analysis
		<p>Encryption Detection</p> <p> Owned by Thomas Farley (Deactivated) *** Last updated: Mar 25, 2022 • 1 min read</p> <p>Your container may contain encrypted configuration information from the source machine that is not compatible with the information on the current machine. You can use the virtacryptdetect tool to log the paths of files and registry keys to help you determine which configuration information needs to be modified.</p> <p>See also virtacotf.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/311132174/Encryption+Detection)</p> <p>Using Config-on-the-fly with Dissolve</p> <p>Your container may contain configuration information from another system; this information may not be compatible with the current system. You can use a Config-on-the-fly file to update the configuration information so that it works with the current system. You may need to update the settings in the configuration file with information from the current system.</p> <p>You specify the Config-on-the-fly file using the following property:</p> <pre>1 CPROP_CONFIG_FILE</pre> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/311460124/About+Dissolve)</p>
15pre	The non-transitory computer readable medium of claim 1, wherein:	The Accused Products comprise a non-transitory computer readable medium as claimed in claim 1. <i>See</i> claim 1.

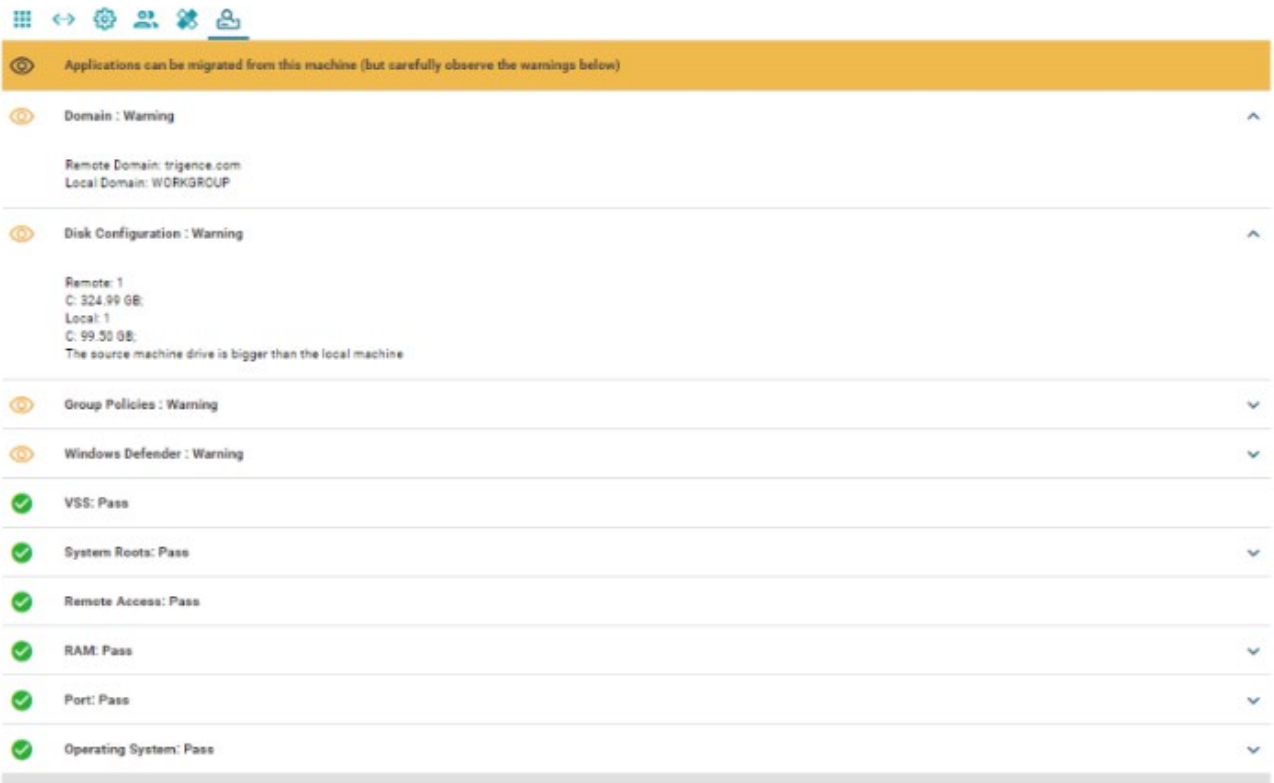
Claim	US 9,722,858 Claim Term	Analysis
15a	said discovering step of said method comprises discovering, in said source computing system, a plurality of source infrastructure management components; and	The Accused Products meet this limitation. <i>See</i> limitation 1a.
15b	<p>said analyzing step of said method comprises:</p> <p>initially aggregating all of said plurality of source infrastructure management components;</p> <p>developing generic recommendations for said aggregated plurality of source infrastructure management components;</p> <p>applying said recommendations on a per-instance basis; and</p> <p>refining at least some of said applied recommendations in cases where said generic recommendations are inconclusive.</p>	<p>The Accused Products meet this limitation. <i>See</i> limitation 1c.</p> <p>For example, the Accused Products “initially aggregate[e] all of said plurality of source infrastructure management components.” The source infrastructure management components include clients, servers, configurations, and/or log files.</p>

Claim	US 9,722,858 Claim Term	Analysis
		<h2>About Source Agents</h2> <p> Owned by Thomas Farley (Deactivated) *** Last updated: Mar 30, 2022 • 1 min read</p> <p>In order for V-Maestro to discover and monitor applications that are running on the servers in your local network, a VirtaMove Source Agent must be installed on each of the source servers that you are interested in. For more information, see Installing Source Agents Manually.</p> <p>You can use the following methods to install Source Agents:</p> <ul style="list-style-type: none">• Manually – Installs Source Agents on one server at a time.• Remotely – Uses the V-Maestro interface to install Source Agents on all machines at once. <p>V-Maestro discovers all servers running on your local network that have a Source Agent installed. If you add a server machine that is running VirtaMove Source Agent, V-Maestro automatically establishes a connection to the source.</p> <p>Note: In order for V-Maestro to discover and monitor sources, the security keys must match.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314704014/About+Source+Agents)</p>

Claim	US 9,722,858 Claim Term	Analysis
		<h3 data-bbox="699 212 1213 253">Viewing Your Source Inventory</h3> <div data-bbox="699 289 1079 337">  Owned by Thomas Farley (Deactivated) *** Last updated: Mar 29, 2022 • 3 min read </div> <p data-bbox="699 375 936 402">Click Manage>Sources.</p> <p data-bbox="699 428 1976 493">In the Source Inventory window, V-Maestro displays all the source machines discovered across the network and the ones to which it has successfully connected. A green dot indicates that the connection is active.</p> <p data-bbox="699 521 831 548">You can view:</p> <ul data-bbox="699 574 1583 776" style="list-style-type: none"> • How many sources there are in the network and their connection status • Whether destination machines have been assigned or mapped to connected sources • View the status of discovered sources (whether they are discovered or being monitored) • Any Audit issues associated with sources • Whether any migrations are complete or associated with sources <p data-bbox="699 802 1953 867">You can filter or hide listed sources, delete sources, assign groups to sources, add new sources, and assign destinations to specific sources from the Source Inventory window. You can also view and export reports.</p> <p data-bbox="688 915 1982 992">(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314867864/Viewing+Your+Source+Inventory)</p>

Claim	US 9,722,858 Claim Term	Analysis
		<p data-bbox="701 214 1094 256">Viewing Source Details</p> <div data-bbox="701 293 1089 342"> Owned by Thomas Farley (Deactivated) *** Mar 29, 2022 • 3 min read</div> <p data-bbox="701 380 1094 422">To View Source Details</p> <ol data-bbox="716 440 1965 553" style="list-style-type: none">1. Click Manage>Sources. The Sources Inventory window is displayed.2. Select a source in the list by clicking the Host Source Name link or by clicking more actions>View Details for the selected source. The Source Details window is displayed. <p data-bbox="701 581 1801 607">The Last Seen field at the top of the details window indicates the last time V-Maestro was aware of the source.</p> <p data-bbox="693 662 1913 699">(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314671475/Viewing+Source+Details)</p>

Claim	US 9,722,858 Claim Term	Analysis
		<h3>Using the Audit view</h3> <p> Owned by Thomas Farley (Deactivated) *** Mar 29, 2022 • 1 min read</p> <p>The Audit view of the Source Details window displays the Audit results for the source.</p> <ul style="list-style-type: none"> • Pass results are displayed with a green checkmark. • Warnings are displayed in amber. • Failures are displayed in red. Failures are environmental issues that prevent the migration of applications. <p>To View Audit Results on a Source</p> <ol style="list-style-type: none"> 1. Click Manage>Sources. The Source Inventory windows displays. 2. Select an active source. The Source Details window displays. 3. Click the Audit icon in the Source Details window.  <p>The screenshot shows a toolbar with icons for grid, expand/collapse, settings, users, and a document icon. Below the toolbar is a yellow warning banner: "Applications can be migrated from this machine (but carefully observe the warnings below)". The main content area lists several items with status icons and expandable arrows:</p> <ul style="list-style-type: none"> Domain : Warning Disk Configuration : Warning Group Policies : Warning Windows Defender : Warning VSS: Pass System Roots: Pass <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314605983/Using+the+Audit+view)</p>

Claim	US 9,722,858 Claim Term	Analysis
		<p>To view the details of a warning, click a warning. The warning expands to show the details. For example:</p>  <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314605983/Using+the+Audit+view)</p>


Understanding Audit




Owned by Thomas Farley (Deactivated) ***
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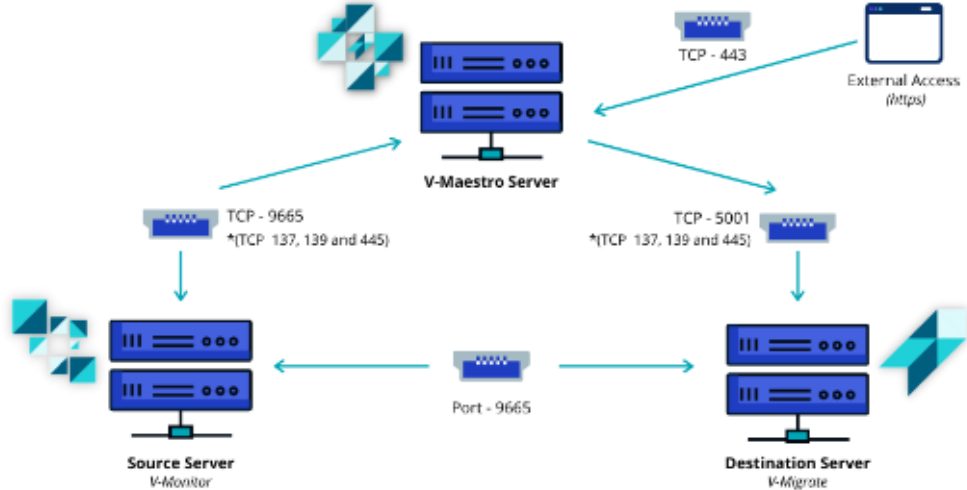
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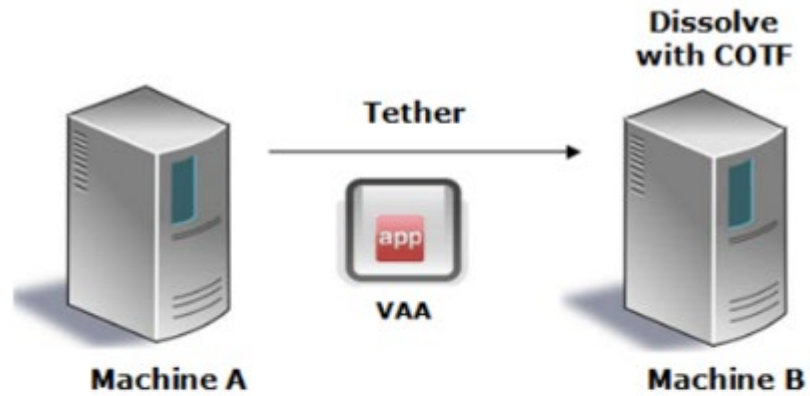
Claim	US 9,722,858 Claim Term	Analysis
		<p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit#Audit-Report-Contents)</p>
16	<p>The non-transitory computer readable medium of claim 1, wherein said discovering step of said method is carried out on at least one physical machine in said source computing system, said at least one physical machine comprising a client of said at least one source infrastructure management component.</p>	<p>The Accused Products comprise a non-transitory computer readable medium as claimed in claim 1. <i>See</i> claim 1.</p> <p>The Accused Products meet the remaining limitations in this claim. <i>See</i> limitation 1a. For example, in the Accused Products, “said discovering step of said method is carried out on at least one physical machine in said source computing system, said at least one physical machine comprising a client of said at least one source infrastructure management component.” More specifically, “VirtaMove V-Maestro allows you to: Discover source Windows <i>servers</i> and the <i>software applications that they are running</i>.”</p> <p>About V-Maestro</p> <p> Owned by Thomas Farley (Deactivated) *** Mar 28, 2022 • 1 min read</p> <p>VirtaMove V-Maestro allows you to:</p> <ul style="list-style-type: none"> • Discover source Windows servers and the software applications that they are running, and assign destinations to sources for migration projects • Monitor the activity of server applications • Migrate applications from source servers to destination servers <p>Capacity information is available to help you plan optimal migration projects, and reporting functions are available for inventory and monitoring.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314769483/About+V-Maestro)</p>

Claim	US 9,722,858 Claim Term	Analysis
		<p>To Install V-Maestro</p> <p>Important:</p> <ul style="list-style-type: none"> • The security key that you generate or select during installation is the master SSL key that V-Maestro uses to securely communicate with ALL VirtaMove Source Agents. See About SSL Keys for more information. • Port 9665 must be open to connect to the VirtaMove Source Agent on the source machine. Make sure that the port is allowed through the firewall. <p>Notes:</p> <ul style="list-style-type: none"> • Completing the installation might take some time if V-Maestro must also install .NET Framework 3.5 during the installation process. • You can verify the integrity of your downloaded software by checking the MD5. See here for more details. <ol style="list-style-type: none"> 1. Run the V-Maestro installer on the machine where you want to install V-Maestro. 2. Click Next. 3. Accept the terms of the license agreement, and then click Next. 4. Accept the default folder for the installation: <code>c:\Program Files\VirtaMove</code>. Click Next. 5. Accept the default folder for containers: <code>c:\appliances</code>. 6. Select a database for V-Maestro: <ul style="list-style-type: none"> ◦ Microsoft SQL Server Express LocalDB ◦ Microsoft SQL Server <p><u>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314835059/Installing+V-Maestro+Server+Software)</u></p>

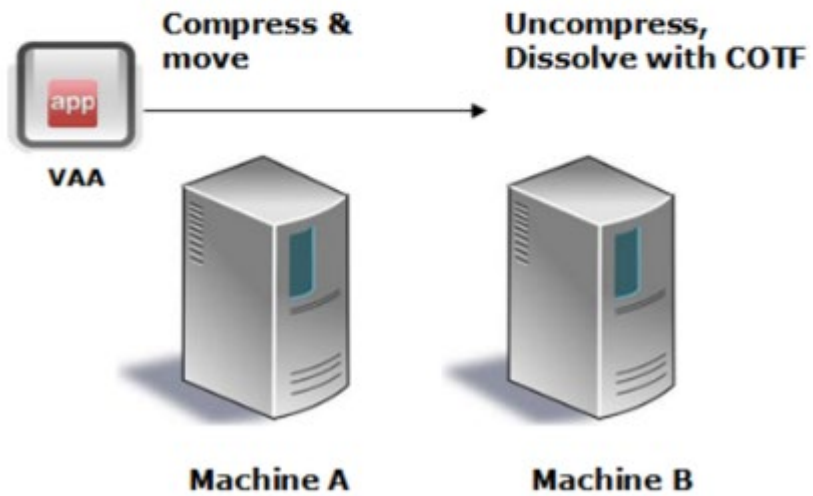
Claim	US 9,722,858 Claim Term	Analysis
		<h3>About Source Agents</h3> <p> Owned by Thomas Farley (Deactivated) *** Last updated: Mar 30, 2022 • 1 min read</p> <p>In order for V-Maestro to discover and monitor applications that are running on the servers in your local network, a VirtaMove Source Agent must be installed on each of the source servers that you are interested in. For more information, see Installing Source Agents Manually.</p> <p>You can use the following methods to install Source Agents:</p> <ul style="list-style-type: none">• Manually – Installs Source Agents on one server at a time.• Remotely – Uses the V-Maestro interface to install Source Agents on all machines at once. <p>V-Maestro discovers all servers running on your local network that have a Source Agent installed. If you add a server machine that is running VirtaMove Source Agent, V-Maestro automatically establishes a connection to the source.</p> <p>Note: In order for V-Maestro to discover and monitor sources, the security keys must match.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314704014/About+Source+Agents)</p>


Claim	US 9,722,858 Claim Term	Analysis
		<p>Ports</p> <p>Port 443 (https) is used to communicate with the V-Maestro web interface from the outside. Make sure that the port is allowed through the firewall.</p>  <p>The diagram illustrates the network architecture for V-Maestro. At the top center is the V-Maestro Server. To its left is the Source Server V-Monitor, and to its right is the Destination Server V-Migrate. <ul style="list-style-type: none"> External Access (https) connects to the V-Maestro Server via TCP - 443. The V-Maestro Server connects to the Source Server V-Monitor via TCP - 9665 (with a note: *TCP 137, 139 and 445). The V-Maestro Server connects to the Destination Server V-Migrate via TCP - 5001 (with a note: *TCP 137, 139 and 445). The Source Server V-Monitor and Destination Server V-Migrate are connected to each other via Port - 9665. </p> <p>Note: *Only required for remote installation of the Source agent or Destination Core Components via V-Maestro interface. ** These ports can be closed after installation of the remote endpoints</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314835059/Installing+V-Maestro+Server+Software)</p>

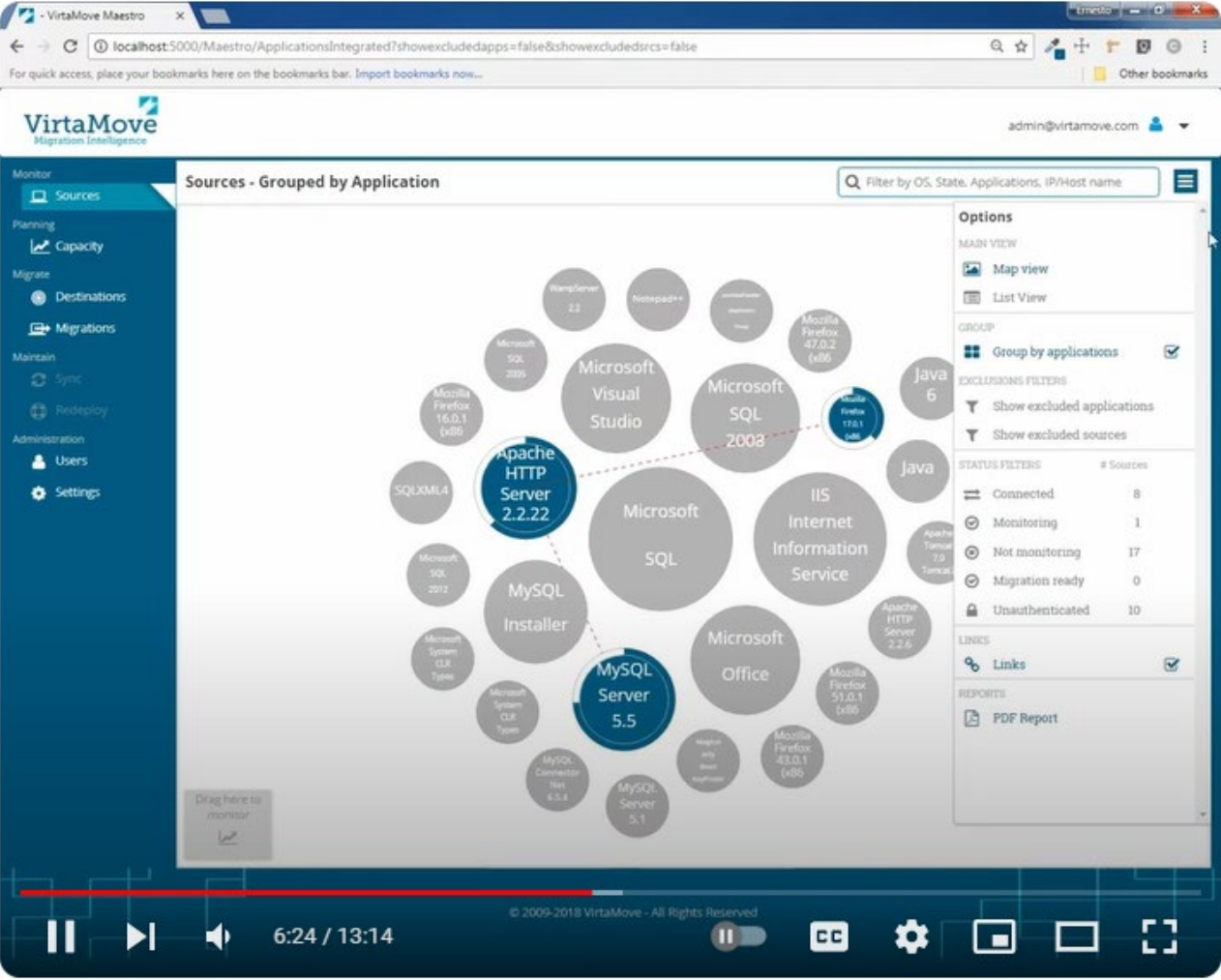
Dissolve Example 1




Dissolve Example 2




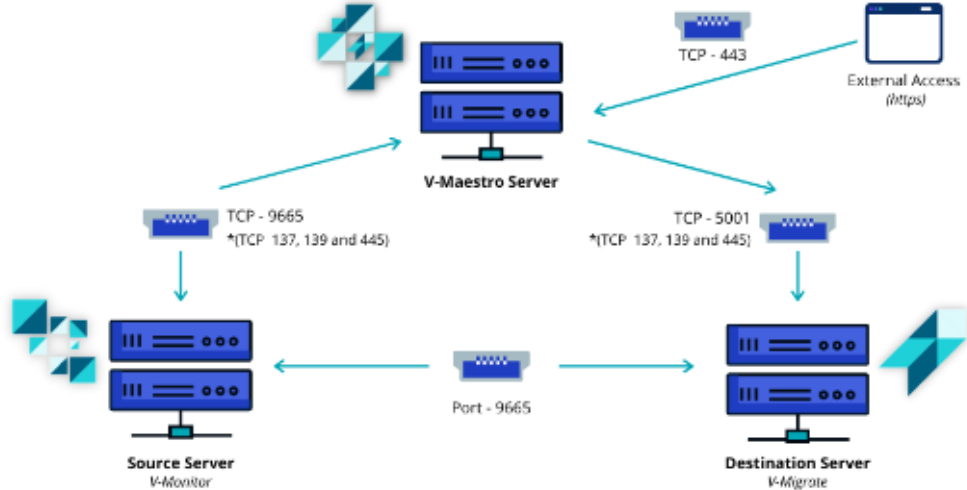
Claim	US 9,722,858 Claim Term	Analysis
		<p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/311460124/About+Dissolve)</p> <p>Further evidence that the “at least one physical machine compris[es] a client of said at least one source infrastructure management component” is found below. For example, the source machine, whether physical or virtual, may contain services that a client—or any other application—depends on or otherwise needs to access.</p> <p>Managing Source Services</p> <p> Owned by Thomas Farley (Deactivated) *** Mar 03, 2022 • 2 min read</p> <p>You can list installed services on the source machine and copy services from this list to the destination machine before you dock a container.</p> <p>The Remote Registry service must be started on the source machine to allow remote users to modify registry settings on the computer and get source services.</p> <p>Services that have already been added to a container appear gray in the Source Services list of the Tether tab.</p> <p>If a user account corresponding to the login credentials of a selected service is bundled with a container, information from the account bundle associated with the service user as well as the user password will be imported automatically when the appliance is docked. If the user doesn't currently exist on the underlying operating system, the user will be created using the password displayed in the Services tab.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/311394775/Managing+Source+Services)</p> <p>The “discovering step” may be carried out on a physical machine—or source—in the local network, where said physical machine—or source—comprises a client of a source infrastructure management component. When migrating a server, a client may need to be moved concurrently, as it may depend on that particular server in some way.</p>


Claim	US 9,722,858 Claim Term	Analysis
		 <p>The screenshot displays the VirtaMove Maestro web interface, which is a tool for managing server migrations. The main view is titled "Sources - Grouped by Application" and shows a bubble chart representing various server applications and their dependencies. The bubbles are arranged in a circular pattern, with lines connecting them to indicate relationships. Key applications visible include Microsoft SQL Server, Microsoft Office, Microsoft Visual Studio, Apache HTTP Server, MySQL Server, and various versions of Microsoft SQL Server. A dotted line connects the Apache HTTP Server 2.2.22 bubble to the MySQL Server 5.5 bubble, indicating a dependency. The interface also includes a sidebar with navigation options like Monitor, Sources, Planning, Capacity, Migrate, Destinations, Migrations, Maintain, Sync, Redeploy, Administration, Users, and Settings. On the right, there are filters for OS, State, Applications, and IP/Host name, as well as options for Map view, List View, and Group by applications. A status filter table shows the number of sources for different states: Connected (8), Monitoring (1), Not monitoring (17), Migration ready (0), and Unauthenticated (10). A video player at the bottom indicates the video is 6:24 / 13:14 long.</p> <p>(https://www.youtube.com/watch?v=nOIMUwHMvY0&t) (“Your server may have external server dependencies that need to be taken into consideration. These are indicated by port connections and data flow of this dotted line. The dotted line tells us the servers are connected in some way. In this instance, it tells us they have a relationship and we should dig down to find out if these are the same</p>

Claim	US 9,722,858 Claim Term	Analysis
		<p>applications or perhaps a back-end database service. <i>This is valuable information in terms of deciding when migrating one of these application layers, there may be a knock-on effect on additional servers and infrastructure layers.</i> It lets you plan how to address multi-tier applications. <i>You may need to move one, two or all three of the apps and servers at same time ... The dotted line might simply indicate desktop users or [there] may be other computers or servers that have database components associated with this application in some fashion.”)</i></p>
17	<p>The non-transitory computer readable medium of claim 1, wherein said discovering step of said method is carried out on at least one physical machine in said source computing system, said at least one physical machine comprising a server on which said at least one source infrastructure management component runs.</p>	<p>The Accused Products comprise a non-transitory computer readable medium as claimed in claim 1. <i>See</i> claim 1.</p> <p>The Accused Products meet the remaining limitations in this claim. <i>See</i> claims 1, 16. For example, in the Accused Products, “said discovering step of said method is carried out on at least one physical machine in said source computing system, said at least one physical machine comprising a server on which said at least one source infrastructure management component runs.”</p> <p>About V-Maestro</p> <p> Owned by Thomas Farley (Deactivated) *** Mar 28, 2022 • 1 min read</p> <p>VirtaMove V-Maestro allows you to:</p> <ul style="list-style-type: none"> • Discover source Windows servers and the software applications that they are running, and assign destinations to sources for migration projects • Monitor the activity of server applications • Migrate applications from source servers to destination servers <p>Capacity information is available to help you plan optimal migration projects, and reporting functions are available for inventory and monitoring.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314769483/About+V-Maestro)</p>

Claim	US 9,722,858 Claim Term	Analysis
		<p>To Install V-Maestro</p> <p>Important:</p> <ul style="list-style-type: none"> • The security key that you generate or select during installation is the master SSL key that V-Maestro uses to securely communicate with ALL VirtaMove Source Agents. See About SSL Keys for more information. • Port 9665 must be open to connect to the VirtaMove Source Agent on the source machine. Make sure that the port is allowed through the firewall. <p>Notes:</p> <ul style="list-style-type: none"> • Completing the installation might take some time if V-Maestro must also install .NET Framework 3.5 during the installation process. • You can verify the integrity of your downloaded software by checking the MD5. See here for more details. <ol style="list-style-type: none"> 1. Run the V-Maestro installer on the machine where you want to install V-Maestro. 2. Click Next. 3. Accept the terms of the license agreement, and then click Next. 4. Accept the default folder for the installation: <code>c:\Program Files\VirtaMove</code>. Click Next. 5. Accept the default folder for containers: <code>c:\appliances</code>. 6. Select a database for V-Maestro: <ul style="list-style-type: none"> ◦ Microsoft SQL Server Express LocalDB ◦ Microsoft SQL Server <p><u>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314835059/Installing+V-Maestro+Server+Software)</u></p>

Claim	US 9,722,858 Claim Term	Analysis
		<h3>About Source Agents</h3> <p> Owned by Thomas Farley (Deactivated) *** Last updated: Mar 30, 2022 • 1 min read</p> <p>In order for V-Maestro to discover and monitor applications that are running on the servers in your local network, a VirtaMove Source Agent must be installed on each of the source servers that you are interested in. For more information, see Installing Source Agents Manually.</p> <p>You can use the following methods to install Source Agents:</p> <ul style="list-style-type: none">• Manually – Installs Source Agents on one server at a time.• Remotely – Uses the V-Maestro interface to install Source Agents on all machines at once. <p>V-Maestro discovers all servers running on your local network that have a Source Agent installed. If you add a server machine that is running VirtaMove Source Agent, V-Maestro automatically establishes a connection to the source.</p> <p>Note: In order for V-Maestro to discover and monitor sources, the security keys must match.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314704014/About+Source+Agents)</p>

Claim	US 9,722,858 Claim Term	Analysis
		<p>Ports</p> <p>Port 443 (https) is used to communicate with the V-Maestro web interface from the outside. Make sure that the port is allowed through the firewall.</p>  <p>The diagram illustrates the network architecture for V-Maestro. At the top center is the V-Maestro Server. To its left is the Source Server V-Monitor, and to its right is the Destination Server V-Migrate. An External Access (https) icon is connected to the V-Maestro Server via TCP - 443. The V-Maestro Server connects to the Source Server via TCP - 9665 (with a note: *TCP 137, 139 and 445) and to the Destination Server via TCP - 5001 (with a note: *TCP 137, 139 and 445). The Source Server and Destination Server are connected to each other via Port - 9665. A note at the bottom states: "Note: *Only required for remote installation of the Source agent or Destination Core Components via V-Maestro interface. ** These ports can be closed after installation of the remote endpoints".</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314835059/Installing+V-Maestro+Server+Software)</p> <p>Further evidence that the physical machine on which “said discovering step of said method is carried out” comprises a “server on which said at least one source infrastructure management component runs” is found below.</p>

Claim	US 9,722,858 Claim Term	Analysis
		<p>Pre-Populate</p> <p>Pre-populating a container is part of the VirtaMove application migration process. Pre-population migrates remote products, services, users, and groups without requiring downtime of the application on the source server. Any locked files will not be copied over until the application is fully exercised.</p> <p>Pre-populate captures components of the application while the application is up and running on the source server. You can then schedule a maintenance window at a later time for the application. It is during this maintenance window that you would stop and shut down the application before you complete the migration by exercising the application.</p> <p>Pre-populate occurs when you click the Pre-Populate button in the VirtaMove Administrative Console under the Tether tab. A window displays the status of the Pre-Populate process.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310739347/The+Application+Migration+Process)</p> <p>Installing Source Agents Manually</p> <p> Owned by Thomas Farley (Deactivated) *** Last updated: Mar 30, 2022 • 1 min read</p> <p>Use the procedure in this section if you want to manually install a VirtaMove Source Agent on each source server.</p> <p>If you have a large number of servers on which you want to install Source Agents, VirtaMove recommends using V-Maestro to install Source Agents remotely. To install Source Agents remotely using the V-Maestro interface, see Installing Source Agents Remotely Using V-Maestro.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314835116/Installing+Source+Agents+Manually)</p> <p>The “Audit Report” analyzes the source machine—or server—on which source infrastructure components, such as infrastructure configurations and processes, run. To reiterate, the source machine comprises a physical or virtual server which implicate infrastructure configurations and processes. <i>See</i> limitation 1c.</p>

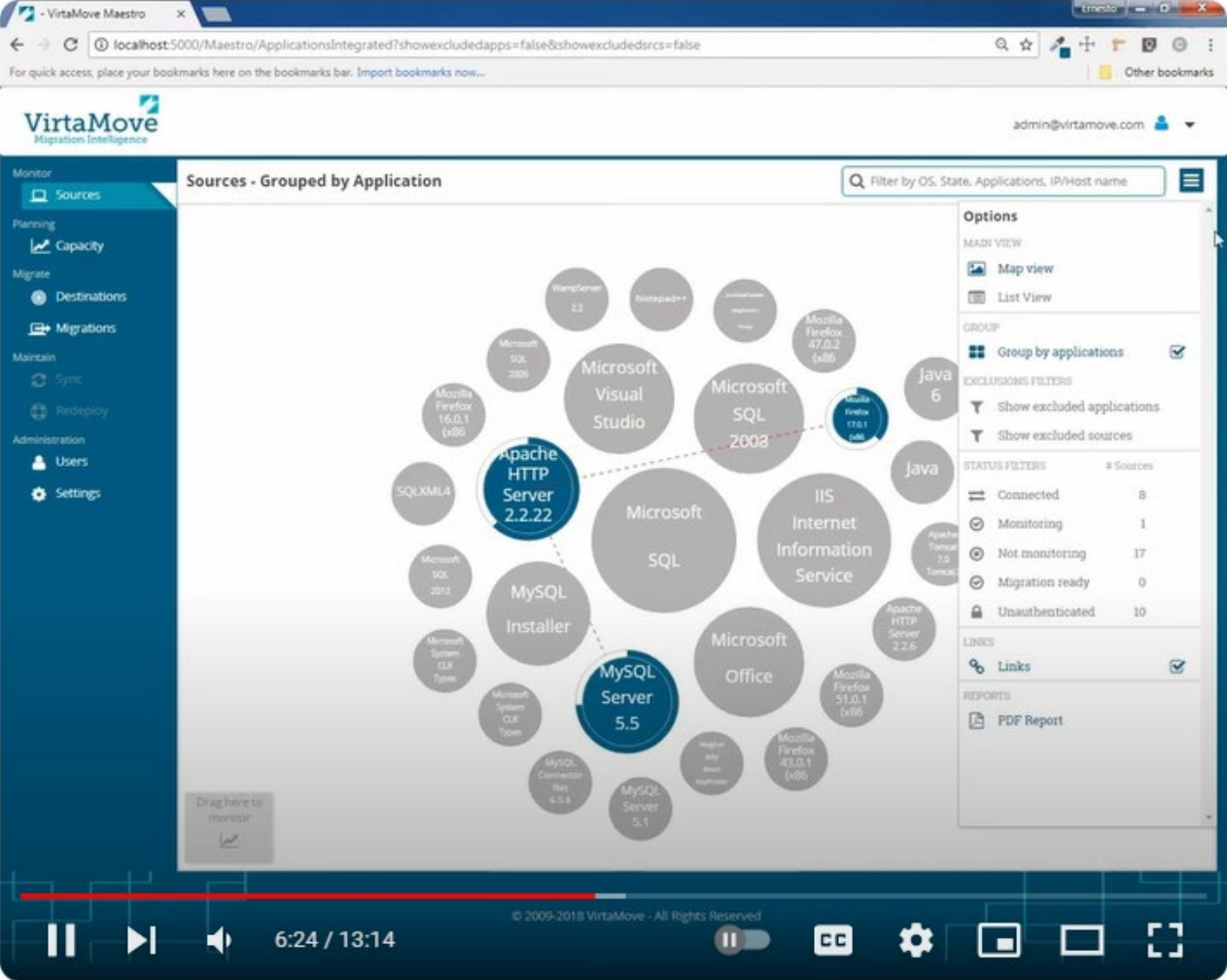
Understanding Audit





Owned by Thomas Farley (Deactivated) ***
Last updated: Apr 01, 2022 • 10 min read


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Claim	US 9,722,858 Claim Term	Analysis
		<p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit)</p>  <p>(https://www.youtube.com/watch?v=nOIMUwHMvY0&t) (“Your server may have external server dependencies that need to be taken into consideration. These are indicated by port connections and data flow of this dotted line. The dotted line tells us the servers are connected in some way. In this</p>

Claim	US 9,722,858 Claim Term	Analysis
		instance, it tells us they have a relationship and we should dig down to find out if these are the same applications or perhaps a back-end database service. <i>This is valuable information in terms of deciding when migrating one of these application layers, there may be a knock-on effect on additional servers and infrastructure layers.</i> It lets you plan how to address multi-tier applications. <i>You may need to move one, two or all three of the apps and servers at same time ... The dotted line might simply indicate desktop users or [there] may be other computers or servers that have database components associated with this application in some fashion.”)</i>
18pre	The non-transitory computer readable medium of claim 1, wherein said computer executable instructions comprise distinct software modules, each of the distinct software modules being embodied on said non-transitory computer readable medium, and wherein the distinct software modules comprise a discovery tool module, a description module, and an infrastructure comparison engine module; wherein:	The Accused Products comprise a non-transitory computer readable medium as claimed in claim 1. <i>See</i> claim 1. The Accused Products meet the remaining limitations in this claim. <i>See</i> claim 1.
18a	said discovering is carried out by said discovery tool module executing on said computer;	The Accused Products comprise a non-transitory computer readable medium, wherein “said discovering is carried out by said discovery tool module executing on said computer.” <i>See</i> claim 1a. For example, a “discovery tool module execut[es] on said computer.” Indeed, V-Maestro provides a “discovery feature.”

Claim	US 9,722,858 Claim Term	Analysis
		<p data-bbox="709 215 1066 264">03. Discovery Guide</p> <div data-bbox="709 305 1115 354">  Owned by Thomas Farley (Deactivated) *** Last updated: Apr 01, 2022 • 1 min read </div> <ul data-bbox="709 394 1318 670" style="list-style-type: none"> • Discovering Your Inventory Summary for the First Time • Discovering Your Source Inventory • Discovering Your Application Inventory • Discovering Resource Usage • Discovering Your Inventory Patch Level • Discovering OS Distributions • Discovering Capacity Requirements <p data-bbox="693 727 1875 760">(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314802352/03.+Discovery+Guide)</p> <p data-bbox="693 812 984 852">About V-Maestro</p> <div data-bbox="699 893 1071 938">  Owned by Thomas Farley (Deactivated) *** Mar 28, 2022 • 1 min read </div> <p data-bbox="693 974 1041 998">VirtaMove V-Maestro allows you to:</p> <ul data-bbox="699 1027 1919 1174" style="list-style-type: none"> • Discover source Windows servers and the software applications that they are running, and assign destinations to sources for migration projects • Monitor the activity of server applications • Migrate applications from source servers to destination servers <p data-bbox="693 1203 1959 1263">Capacity information is available to help you plan optimal migration projects, and reporting functions are available for inventory and monitoring.</p> <p data-bbox="688 1325 1827 1357">(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314769483/About+V-Maestro)</p>

Claim	US 9,722,858 Claim Term	Analysis
		<p>About Source Agents</p> <p> Owned by Thomas Farley (Deactivated) *** Last updated: Mar 30, 2022 • 1 min read</p> <p>In order for V-Maestro to discover and monitor applications that are running on the servers in your local network, a VirtaMove Source Agent must be installed on each of the source servers that you are interested in. For more information, see Installing Source Agents Manually.</p> <p>You can use the following methods to install Source Agents:</p> <ul style="list-style-type: none"> • Manually – Installs Source Agents on one server at a time. • Remotely – Uses the V-Maestro interface to install Source Agents on all machines at once. <p>V-Maestro discovers all servers running on your local network that have a Source Agent installed. If you add a server machine that is running VirtaMove Source Agent, V-Maestro automatically establishes a connection to the source.</p> <p>Note: In order for V-Maestro to discover and monitor sources, the security keys must match.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314704014/About+Source+Agents)</p>
18b	said querying is carried out by said description module executing on said computer; and	The Accused Products comprise a non-transitory computer readable medium, wherein “said querying is carried out by said description module executing on said computer.” <i>See</i> limitation 1b. For example, the Accused Products provide descriptions about source and destination machines.


Viewing Source Details

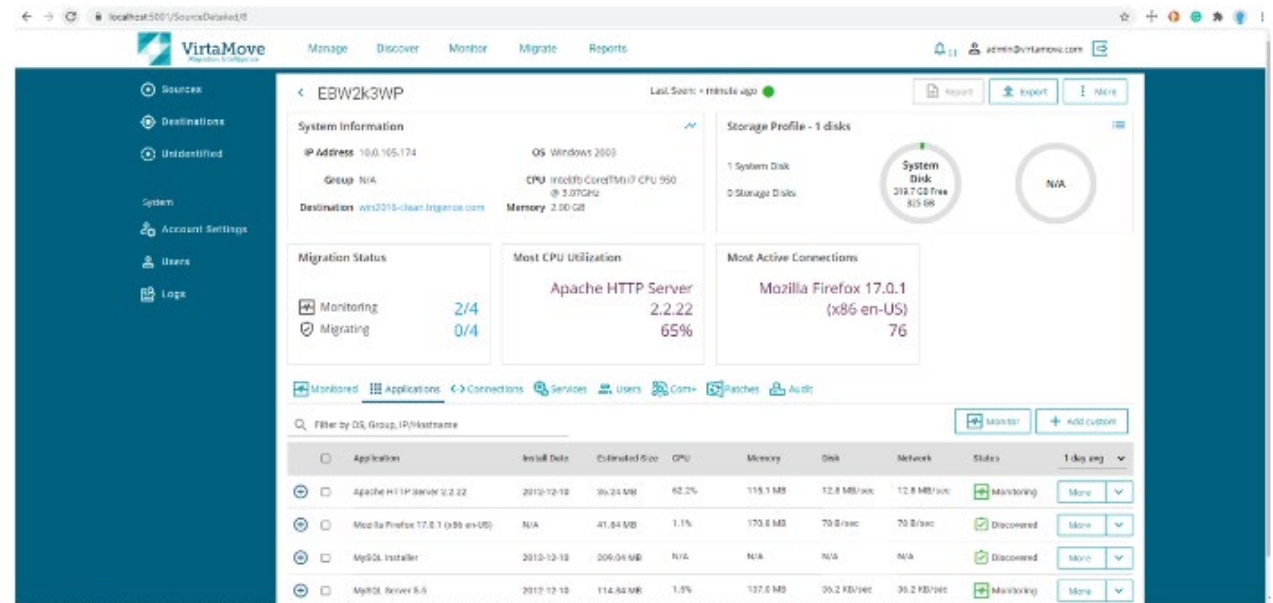
TF Owned by Thomas Farley (Deactivated) ***
Mar 29, 2022 • 3 min read

To View Source Details

1. Click **Manage>Sources**. The Sources Inventory window is displayed.
2. Select a source in the list by clicking the **Host Source Name** link or by clicking **more actions>View Details** for the selected source. The Source Details window is displayed.

The **Last Seen** field at the top of the details window indicates the last time V-Maestro was aware of the source.

Last Seen: < minute ago 




The screenshot shows the VirtaMove web interface. The top navigation bar includes links for Manage, Discover, Monitor, Migrate, and Reports. The left sidebar contains links for Sources, Destinations, Undiscovered, System, Account Settings, Users, and Logs. The main content area displays details for source **EBW2k3WP**, which was last seen < minute ago (indicated by a green dot). The details are organized into several sections:

- System Information:** IP Address 10.0.105.174, Group N/A, Destination win2015-clean.trigene.com, OS Windows 2003, CPU Intel(R) Core(TM) i7 CPU 950 @ 3.07GHz, Memory 2.00 GB.
- Storage Profile - 1 disks:** 1 System Disk (219.7 GB Free, 815 GB), 0 Storage Disks.
- Migration Status:** Monitoring 2/4, Migrating 0/4.
- Most CPU Utilization:** Apache HTTP Server 2.2.22 (65%).
- Most Active Connections:** Mozilla Firefox 17.0.1 (x86-en-US) (76).

Below these sections is a table of monitored applications:

Application	Installed Date	Estimated Size	CPU	Memory	Disk	Network	Status	1 day ago
Apache HTTP Server 2.2.22	2012-12-18	36.24 MB	62.2%	115.1 MB	12.8 MB/sec	12.8 MB/sec	Monitoring	More
Mozilla Firefox 17.0.1 (x86-en-US)	N/A	41.84 MB	1.1%	170.8 MB	70 B/sec	70 B/sec	Discovered	More
MySQL Installer	2012-12-18	206.04 MB	N/A	N/A	N/A	N/A	Discovered	More
MySQL Server 5.5	2012-12-18	114.84 MB	1.5%	137.6 MB	35.2 KB/sec	35.2 KB/sec	Monitoring	More

Claim	US 9,722,858 Claim Term	Analysis
		<p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314671475/Viewing+Source+Details)</p> <h3>Viewing Your Source Inventory</h3> <p> Owned by Thomas Farley (Deactivated) *** Last updated: Mar 29, 2022 • 3 min read</p> <p>Click Manage>Sources.</p> <p>In the Source Inventory window, V-Maestro displays all the source machines discovered across the network and the ones to which it has successfully connected. A green dot indicates that the connection is active.</p> <p>You can view:</p> <ul style="list-style-type: none"> • How many sources there are in the network and their connection status • Whether destination machines have been assigned or mapped to connected sources • View the status of discovered sources (whether they are discovered or being monitored) • Any Audit issues associated with sources • Whether any migrations are complete or associated with sources <p>You can filter or hide listed sources, delete sources, assign groups to sources, add new sources, and assign destinations to specific sources from the Source Inventory window. You can also view and export reports.</p> <p>(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314867864/Viewing+Your+Source+Inventory)</p>

Viewing Destination Details

TF Owned by Thomas Farley (Deactivated) ***
Mar 29, 2022 • 2 min read

You can view detailed information about a selected destination, such as system information, storage profile, migration status, services, accounts, and applied patches.

To View Destination Details

1. Click **Manage>Destinations**. The Destination Inventory window is displayed.
2. Select a destination in the list by clicking on the hostname or the IP column. The Destination Details window is displayed. V-Maestro displays when the destination was last seen at the top of the window.

VirtaMaestro x +

← → ↻ ⚠ Not secure | localhost/DestinationDetailed/2

VirtaMove Manage Discover Monitor Migrate Reports admin@virtamove.com

WIN-R2DHOLTSHT5 Last Seen: 1 minutes ago

Destination System Information

IP Address: 10.0.103.209	OS: Windows 2019
Group: N/A	CPU: Intel(R) Core(TM) i5-9400
Source: + Assign	CPU @ 2.90 GHz
	Memory: 8.00 GB

Storage Profile - 1 disks

1 System Disk	System Disk: 70.8 GB Free / 99.5 GB
0 Storage Disks	N/A

Migrations Complete 0

Migrations In-Progress 0

Last Operation: Obtaining Applications

Required Storage Profile to Dissolve VAA

No dissolve information available

Filter by OS, Group, IP/Hostname

Service	Status	Start Type	User Name	Description
ActiveX Installer (AsInstSV)	Stopped	Disabled	LocalSystem	Provides User Account Control validation for the installation of Active X controls from the Internet and enables management of ActiveX control installation based on Group Policy settings. This service is started on demand and if disabled the installation of ActiveX controls will be where according to default browser settings.
AIJoin Router Service	Stopped	Manual	NT AUTHORITY\LocalService	Routes AIJoin messages for the local AIJoin clients. If this service is stopped the AIJoin clients that do not have their own bundled routers will be unable to run.
App Readiness	Stopped	Manual	LocalSystem	Gets apps ready for use the first time a user signs in to this PC and when adding new apps.
Application Identity	Stopped	Manual	NT Authority\LocalService	Determines and verifies the identity of an application. Disabling this service will prevent AppLocker from being enforced.
Application Information	Stopped	Manual	LocalSystem	Facilitates the running of interactive applications with additional administrative privileges. If this service is stopped, users will be unable to launch applications with the additional administrative privileges they may require to perform desired user tasks.
Application Layer Gateway Service	Stopped	Manual	NT AUTHORITY\LocalService	Provides support for 3rd party protocol plug-ins for Internet Connection Sharing.

Claim	US 9,722,858 Claim Term	Analysis
		(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314868022/Viewing+Destination+Details)

Viewing Your Destination Inventory

TF Owned by Thomas Farley (Deactivated) ***
Mar 29, 2022 • 2 min read

Destinations are servers to which you will move selected applications from a source. You assign a destination to a source using V-Maestro.

To view your destination inventory, click **Manage>Destinations**.

If There Are No Discovered Destinations

If no destinations have been discovered, the cards in the Destination Inventory window will display all zeros and listed destinations.

The screenshot shows the VirtaMove web application interface. At the top, there's a navigation bar with tabs: Manage, Discover, Monitor, Migrate, and Reports. The 'Manage' tab is active. Below the navigation bar, the 'Destination Inventory' section is displayed. It features four summary cards: 'Discovered' with a count of 1, 'No Assigned Source' with a count of 1, 'Audit Failed' with a count of 0, and 'Migrations' with a count of 0. Below these cards is a search bar labeled 'Filter by OS, Group, IP/Hostname'. Underneath the search bar is a table with columns: HostName, IP Address, OS, Source HostName, Source IP Address, and Status. The table contains one entry: 'SRV-2K16-Base' with IP '10.0.105.243', OS 'Windows 2016', and Status 'Gathering Info'. There is an '+ Assign' button next to the entry. At the bottom, there's a pagination bar showing 'Items per page: 10' and '1 of 1'.

HostName	IP Address	OS	Source HostName	Source IP Address	Status
SRV-2K16-Base	10.0.105.243	Windows 2016	+ Assign		Gathering Info

Viewing Discovered Destinations

You can filter discovered destinations, assign a destination to a source, and delete destinations. You can also view and export reports.

You can perform the following actions for selected destinations:

- View details about the destination
- Exclude a destination from the list
- Re-authenticate the destination
- RDP into the destination
- Assign a source to a destination
- Hide destinations and view all hidden destinations

Claim	US 9,722,858 Claim Term	Analysis
		(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314606009/Viewing+Your+Destination+Inventory)
18c	said analyzing is carried out by said infrastructure comparison engine module executing on said computer.	The Accused Products comprise a non-transitory computer readable medium, wherein “said analyzing is carried out by said infrastructure comparison engine module executing on said computer.” <i>See</i> limitation 1c. The Accused Products compares the source and destination infrastructures through the “Audit” feature.

Step 1: Audit



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Last updated: Mar 30, 2022 • 1 min read

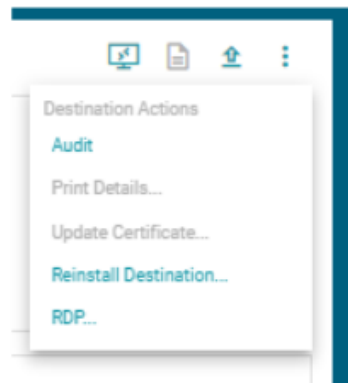
Now that you have destinations lined up, have monitored applications for a few days, and have migration candidates ready, you can start the migration process.

You will need a migration license to proceed.

To Start a Pre-Migration Audit

1. Click **Manage>Destinations**. The Destination Inventory window is displayed.
2. Select a destination in the list by clicking the **Host Source Name** link or by clicking **more actions>View Details** for the selected destination. The Destination Details window is displayed.
3. Click the Actions icon at the top and select **Audit**.

admin@virtamove.com



4. Click **Continue** to confirm.
5. If you haven't yet supplied a valid migration license, a message will indicate this. Click **OK** and click **Settings** in the **System** navigation menu on the left to do so. See [Managing V-Maestro License Keys](#) for more information.

The **Migrations In-Progress** card now displays the number of migrations in process and the operation in progress. The Progress column displays the progress toward completion in percentage. A migration icon now displays above the filter field.

Claim	US 9,722,858 Claim Term	Analysis
		(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314966328/Step+1+Audit)

Audit Report



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Mar 24, 2022 • 1 min read

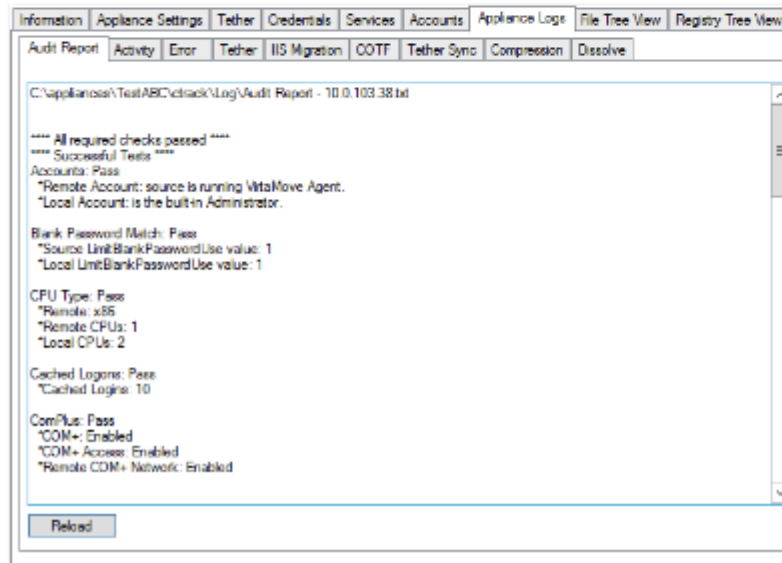
You can view the Audit Report, which is located as follows:

`C:\appliances\<Container>\ctrack\Log\Audit Report - <name>.txt`

You can also view it using the Administrative Console.

To View the Audit Report Using the Administrative Console

1. In the Administrative Console, select the container and then click the **Appliance Logs** tab.
2. Click the **Audit Report** tab. The Audit report is displayed.
3. To reload the Audit Report, click the **Reload** button.



Claim	US 9,722,858 Claim Term	Analysis
		(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/313917530/Audit+Report)

Claim	US 9,722,858 Claim Term	Analysis														
		<div><div><div><div><div></div><div>TF</div></div><div><div>Owned by Thomas Farley (Deactivated) ***</div><div>Last updated: Mar 28, 2022 • 2 min read</div></div></div></div><div><p>This command checks whether the source and destination machines comply with application migration pre-requisites. Run this command before you migrate an application. Any issues are listed in the <code>Audit Report.txt</code> file located in the appliance folder.</p><p>If the Audit Report lists a problem or problems that will impede application migration, see Understanding Audit for guidance about how to resolve specific issues identified in the report.</p><p>Administrator privileges are required.</p></div><div><h3>Syntax</h3><pre>1 virtaaudit <server username> <password /P> [/V] [/O outputDirectory]</pre><pre>1 virtaaudit <server> [/V] [/O outputDirectory]</pre></div><div><h3>Options</h3><table><tr><th>Option</th><th>Description</th></tr><tr><td>server</td><td>The IP address or machine name of the source machine.</td></tr><tr><td>username</td><td>The user name of the Administrator account on the source machine.</td></tr><tr><td>password</td><td>The password of the Administrator account on the source machine.</td></tr><tr><td>/O OutputDirectory</td><td>Write the Audit Report file to the specified directory. Optional.</td></tr><tr><td>/V verbose</td><td>Write detailed error descriptions to the CLI. Optional.</td></tr><tr><td>/P hidePassword</td><td>Hide the password for the user. Optional.</td></tr></table></div></div>	Option	Description	server	The IP address or machine name of the source machine.	username	The user name of the Administrator account on the source machine.	password	The password of the Administrator account on the source machine.	/O OutputDirectory	Write the Audit Report file to the specified directory. Optional.	/V verbose	Write detailed error descriptions to the CLI. Optional.	/P hidePassword	Hide the password for the user. Optional.
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Claim	US 9,722,858 Claim Term	Analysis
		(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/314212459/virtaaudit)

Understanding Audit



Owned by Thomas Farley (Deactivated) ***
Last updated: Apr 01, 2022 • 10 min read

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Claim	US 9,722,858 Claim Term	Analysis
		(https://virtamove.atlassian.net/wiki/spaces/VDOC/pages/310804512/Understanding+Audit)
19pre	A non-transitory computer readable medium comprising computer executable instructions which when executed by a computer cause the computer to perform the method of:	<p>The Accused Products comprise a non-transitory computer readable medium as claimed in claim 1. <i>See</i> claim 1.</p> <p>The Accused Products meet the remaining limitations of this claim. <i>See</i> limitation 1pre.</p>
19a	<p>discovering, in a source computing system having a source management infrastructure, at least one source infrastructure management component, wherein said at least one source infrastructure management component is an instance of an image, and wherein said at least one source infrastructure management component is running in a customer environment;</p> <p>querying a database to obtain a description of a target cloud infrastructure;</p> <p>analyzing said at least one source infrastructure management component using said description of said target cloud infrastructure to determine that said at least one</p>	<p>The Accused Products comprise a non-transitory computer readable medium as claimed in claim 1. <i>See</i> claim 1.</p> <p>The Accused Products meet the remaining limitations of this claim. <i>See</i> limitation 1a-1c.</p>

Claim	US 9,722,858 Claim Term	Analysis
	source infrastructure management component is appropriate for infrastructure configuration mapping to said target cloud infrastructure, wherein:	
19b	<p>in said discovering step, said at least one source infrastructure management component comprises at least one of:</p> <p>at least one source infrastructure management client;</p> <p>at least one source infrastructure management server;</p> <p>at least one source infrastructure management configuration; and</p> <p>at least one source infrastructure management log;</p>	<p>The Accused Products comprise a non-transitory computer readable medium as claimed in claim 1. <i>See</i> claim 1.</p> <p>The Accused Products meet the remaining limitations of this claim. <i>See</i> limitation 1a; claim 2; limitations 4a.</p>
19c	<p>in said querying step, said description of said target cloud infrastructure comprises at least one of:</p> <p>cloud infrastructure software standards; and</p> <p>cloud infrastructure software configurations;</p>	<p>The Accused Products comprise a non-transitory computer readable medium as claimed in claim 1. <i>See</i> claim 1.</p> <p>The Accused Products meet the remaining limitations of this claim. <i>See</i> limitation 1b-1c; claim 3; limitations 4b-4e.</p>

Claim	US 9,722,858 Claim Term	Analysis
	<p>said analyzing comprises:</p> <p>matching said cloud infrastructure software standards with at least a corresponding one of:</p> <p>said at least one source infrastructure management client; and</p> <p>said at least one source infrastructure management server, and</p> <p>mapping said cloud infrastructure software configurations with said at least one source infrastructure management configuration determined appropriate for infrastructure configuration mapping.</p>	